

THE CONTENTS OF THIS DRAWING ARE THE EXCLUSIVE PROPERTY OF THE TECHNICAL MATERIEL CORP. ITS UNAUTHORIZED USE OR REPRODUCTION IN WHOLE OR IN PART IS STRICTLY FORBIDDEN.

REQ. PER UNIT

1

MODEL
HFS-1

USED ON

ASS'Y. NO.

DATE

8-17-62

TZ-102

C

ELECTRICAL SPEC.

L = 15.0 μ h \pm 5% AT 2.5 MC.

R UNLOADED (TERMINALS 1 & 2).

3.25 MC ~ 160 MIN.

4.25 MC ~ 160 MIN.

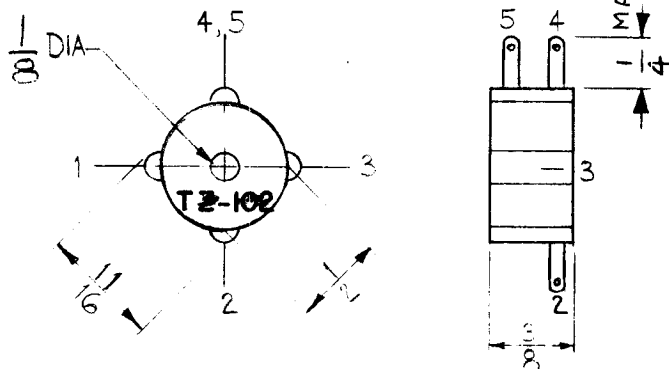
Q WITH 5K Ω LOAD ACROSS PINS 3 & 5

3.25 MC ~ 64-70, 4.25 MC ~ 54-67

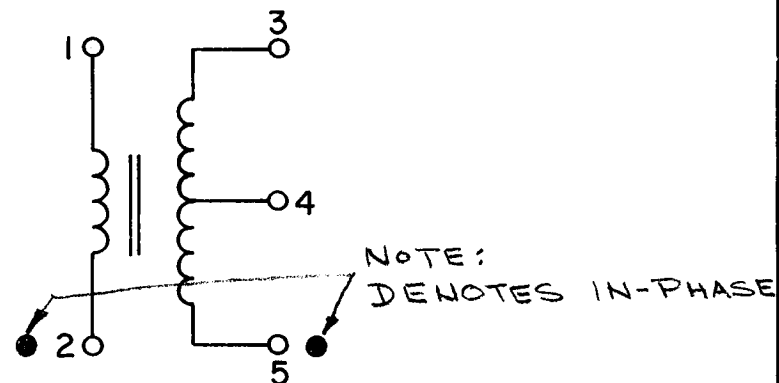
MECHANICAL SPEC.

EPOXY FILLED BAKELITE CASE.

SECONDARY TERMINALS 3 & 5 ON SCHEMATIC ARE LOADED WITH 5K OHMS.



LETTERING TO BE 3/32 HIGH GOTHIC.
TERMINAL STYLE OPTIONAL.



SCHEMATIC DIAGRAM

REQ.	ITEM	PART NO.	J. STRUMMER DESCRIPTION			SYMBOL
C	ADDED NOTE "● DENOTES IN PHASE"	4.11.68 18079	THE TECHNICAL MATERIEL CORP. MAMARONECK, NEW YORK			
B	DIM. 1/4 MAX ADDED TERMINAL STYLE NOTE ADD.	8.11.64 12098	STOCK SIZE			
A	ON ELECTRICAL SPEC. "Q" LOADED & UNLOADED CLARIFIED	9-24-62 7226	TRANSFORMER, RF			
SYM	DESCRIPTION	DATE	CH. NO.	DRAFTS	CHECKER	ENG. APP.
UNLESS OTHERWISE SPECIFIED:		SCALE: S401-151				
DIMENSIONS ARE IN INCHES		MAXIMUM ALLOWABLE TOLERANCES HAVE BEEN DETERMINED AND ANY DEVIATIONS WILL BE CAUSE FOR REJECTION. REMOVE ALL BURRS AND SHARP EDGES				
TOLERANCES ON						
FRAC. \pm 1/64 DEC. \pm .005 ANGLES \pm 1/2°						
TYPE & TEMPER		HEATTREAT. SPEC.		DRAWN		CHECKED
FINISH & SPEC. NO.		ELEC. DES. APP.		MECH. DES. APP.		TZ-102 C

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REQ. PER UNIT

USED ON

MODEL

ASS'Y. NO.

DATE

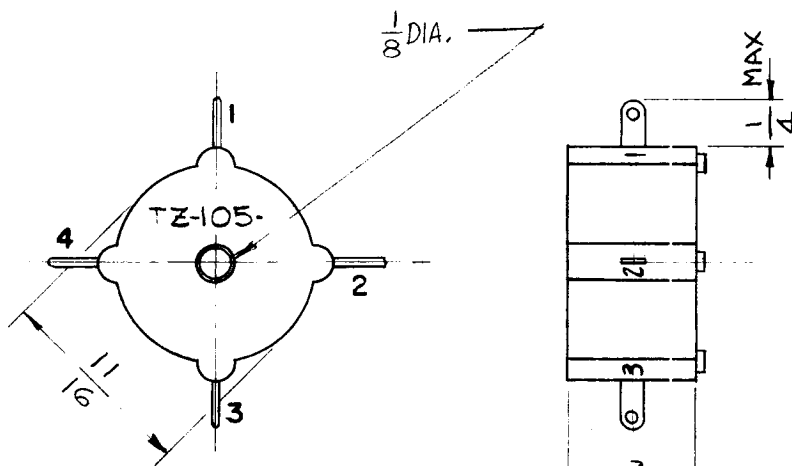
HFS-1

8-17-62

TZ-105

C

TMC PART NO.	IND.	TEST FREQ.	Q UNLOADED	Q TEST FREQ.	Q LOADED	Q LOAD VALUE
TZ-105-1	14.2 μ h $\pm 5\%$	2.5 MC	160-210	3.8 MC	75-95	47 Ω
			170-228	2.9 MC	80-110	
TZ-105-2	13.8 μ h $\pm 5\%$	2.5 MC	152-235	4.25 MC	30-44	47 Ω
			160-225	3.25 MC	33-56	

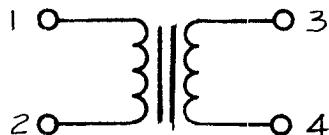


TMC PART NO. (TO BE STAMPED AS PER CHART) LETTERING TO BE 3/32 HIGH GOTHIC.

MECHANICAL SPEC.

EPOXY FILLED BAKELITE CASE.
TERMINAL STYLE OPTIONAL

SCHEMATIC DIAGRAM



REQ.	ITEM	PART NO.	J. STRUMMER DESCRIPTION			SYMBOL								
C	CHG'D Q ² LOADED & UNLOADED -2	8-2-66	16702	RME	<i>Q18</i>	THE TECHNICAL MATERIEL CORP. MAMARONECK, NEW YORK TRANSFORMER, RF								
B	DII 1/4 MAX. WAS 7/32 TERMINAL STYLE NOTE ADD.	82664	12178	LSB	<i>Q18</i>									
A	ON CHART, "Q" UNLOADED & "Q" LOADED CLARIFIED	924-62	7225	<i>Q18</i>	<i>Q18</i>									
SYM	DESCRIPTION	DATE	CH. NO.	DRAFTS	CHECKER	ENG. APP.	MATERIAL	TYPE & TEMPER	HEAT TREAT. SPEC.	FINISH & SPEC. NO.	ELEC. DES. APP.	MECH. DES. APP.	SYMBOL	
UNLESS OTHERWISE SPECIFIED: DIMENSIONS ARE IN INCHES TOLERANCES ON FRAC. $\pm 1/64$ DEC. $\pm .005$ ANGLES $\pm 1/2^\circ$		SCALE: 5401-151		MAXIMUM ALLOWABLE TOLERANCES HAVE BEEN DETERMINED AND ANY DEVIATIONS WILL BE CAUSE FOR REJECTION. REMOVE ALL BURRS AND SHARP EDGES			W. S.							
A								DMT	DMT					
											TZ-105	C		

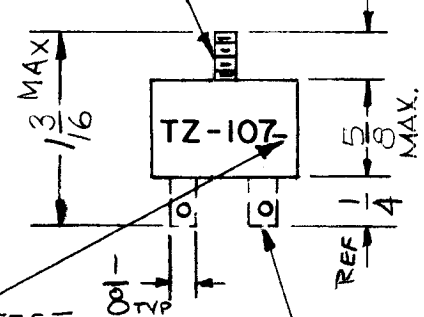
STANDARD DRAWING

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REQ. PER UNIT	USED ON		
	MODEL	ASS'Y. NO.	DATE
3	SBS-1		11-21-61
2	AFC-2		11-21-61
1	HFI-1		11-21-61
3	HNF-1		3-13-62
5	MSA-1		
8	MNF-1		

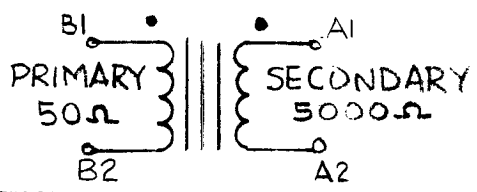
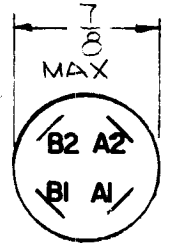
TZ-107 K

NON-MAGNETIC STAINLESS STEEL SCREW
2-56 THD



INSERT LATEST REVISION LETTER

SOLDER LUGS, TINNED, BRASS, 4 REQ'D. STYLE OPTIONAL.



- FREQ. RESPONSE - 200KC TO 2MC W/IN 3 db
- BREAKDOWN VOLTAGE BETWEEN WINDINGS & CORE - 600 VDC, BETWEEN WINDINGS ~ 300 VDC

NOTES:
COLOR OF CASE - BLACK,
TMC PART NUMBER AND LUG NUMBERS
IN WHITE.

K	DELETED WINDING INFO	9/18/67	18506	EWS	<i>[Signature]</i>	EFM	<i>[Signature]</i>						
J	13/16 W/1, 5/8 W/1/2, 7/8 W/3/4	5-5-66	16216	WFO	<i>[Signature]</i>	<i>[Signature]</i>		REQ.	ITEM	PART NO.	WESCHLER DESCRIPTION	SYMBOL	
H	TERM. NOTE WAS LUGS, TINNED, BRASS, 4 REQ'D.	3-15-66	15960	G.D.L.	<i>[Signature]</i>	<i>[Signature]</i>					THE TECHNICAL MATERIEL CORP. MAMARONECK, NEW YORK TRANSFORMER, R.F		
G	REVISION LETT. NOTE ADDED FREQ. RESP. WAS 150KC TO 4MC	5.8.64	11374	WB	<i>[Signature]</i>	<i>[Signature]</i>			STOCK SIZE				
F	ADDED WINDING NOTE TO ELEC. DATA	1-14-64	10729	<i>[Signature]</i>	<i>[Signature]</i>	<i>[Signature]</i>							
SYM	DESCRIPTION	DATE	CH. NO.	DRAFTS	CHECKER	ENG. APP.			MATERIAL				
UNLESS OTHERWISE SPECIFIED:		SCALE: 4A - 3633											
DIMENSIONS ARE IN INCHES		MAXIMUM ALLOWABLE TOLERANCES HAVE BEEN DETERMINED AND ANY DEVIATIONS WILL BE CAUSE FOR REJECTION. REMOVE ALL BURRS AND SHARP EDGES					TYPE & TEMPER		HEATTREAT. SPEC.	DRAWN	CHECKED	FINAL APPROVAL	
TOLERANCES ON							FINISH & SPEC. NO.		ELEC. DES. APP.	MECH. DES. APP.			
FRAC. ± 1/64 DEC. ± .005 ANGLES ± 1/2°												TZ-107 K	

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REQ. PER UNIT

MODEL

USED ON

ASSY. NO.

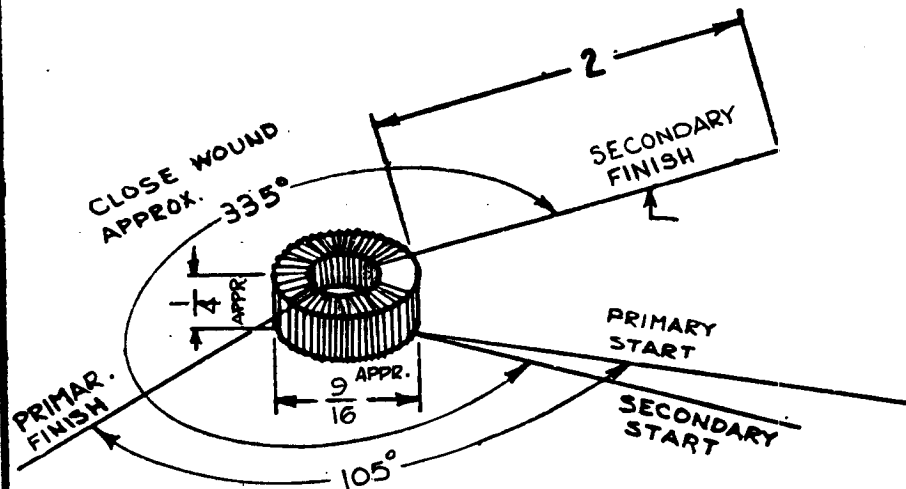
DATE

HFR-1/T

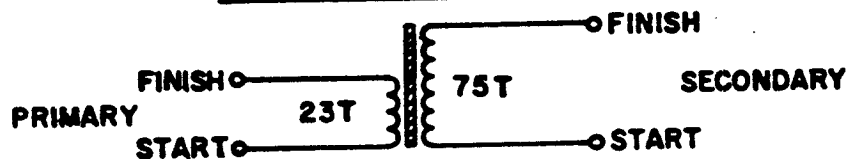
A-2524

8-31-62

TZ-108



SCHEMATIC DIAGRAM



ELECTRICAL SPECIFICATIONS

SECONDARY - $L = 23.7 \mu h \pm 0.35 \mu h$

$Q = 150$ AT 2.5 MC

C DISTRIB = $2.5 \mu mf$ (FOR REF. ONLY)

PRIMARY - $L = 4.3 \mu h$ (FOR REF. ONLY)

C DISTRIB = $7.4 \mu mf$ (FOR REF. ONLY)

MODEL	REQ	FUNCTION	FREQ.(MC)	SYMBOL
HFR-1/T	1	BAND #1	2-3 MC.	T1001

REQ.	ITEM	PART NO.	ANGER	DESCRIPTION	SYMBOL
				THE TECHNICAL MATERIEL CORP. MAMARONECK, NEW YORK	
				TRANSFORMER, ANTENNA	
				BAND 1, FREQ 2-3 MC	
			<i>G. Green</i>	<i>File</i>	<i>BP</i>
			DRAWN	CHECKED	FINAL APPROVAL
			<i>J. ANGER</i>		TZ-108
			ELEC. DES. APP.	MECH. DES. APP.	

UNLESS OTHERWISE SPECIFIED:

DIMENSIONS ARE IN INCHES

TOLERANCES ON

FRAC. $\pm 1/64$ DEC. $\pm .005$ ANGLES $\pm 1/2^\circ$

SCALE: 1A-2524

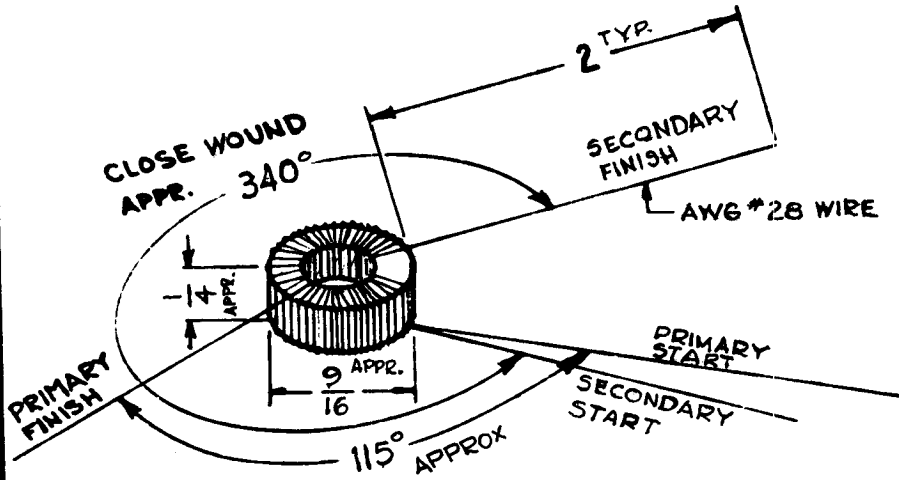
MAXIMUM ALLOWABLE TOLERANCES HAVE BEEN DETERMINED AND ANY DEVIATIONS WILL BE CAUSE FOR REJECTION. REMOVE ALL BURRS AND SHARP EDGES

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REQ. PER UNIT
1

USED ON		
MODEL	ASBY. NO.	DATE
HFR-1/T	A-2525	8-31-62

TZ-109



SCHEMATIC DIAGRAM



ELECTRICAL SPECIFICATIONS

SECONDARY - $L = 14 \mu h \pm 0.25 \mu h$
 $Q = 160$ AT 2.5 MC.
 C DISTRIB. = 2.2 $\mu m f$ (FOR REF. ONLY)

PRIMARY - $L = 2.95 \mu h$ (FOR REF. ONLY)
 C DISTRIB. = 8.5 $\mu m f$. (FOR REF. ONLY)

MODEL	REQ.	FUNCTION	FREQ.(MC.)	SYMBOL
HFR-1/T	1	BAND*2	3-4 MC	T1003

REQ.	ITEM	PART NO.	DESCRIPTION	SYMBOL								
			THE TECHNICAL MATERIEL CORP. MAMARONECK, NEW YORK									
			STOCK SIZE									
			MATERIAL									
			BAND 2, FREQ. 3-4 MC									
SYM	DESCRIPTION	DATE	CH. NO.	DRAFTS	CHECKER	ENG. APP.	TYPE & TEMPER	HEATTREAT.SPEC.	DRAWN	CHECKED	FINAL APPROVAL	
UNLESS OTHERWISE SPECIFIED: DIMENSIONS ARE IN INCHES TOLERANCES ON FRAC. $\pm 1/64$ DEC. $\pm .005$ ANGLES $\pm 1/2^\circ$		SCALE: 1A-2525		MAXIMUM ALLOWABLE TOLERANCES HAVE BEEN DETERMINED AND ANY DEVIATIONS WILL BE CAUSE FOR REJECTION. REMOVE ALL BURRS AND SHARP EDGES						J. ANGER		BP
												TZ-109

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REQ. PER UNIT

1 HFR-1/T

USED ON

MODEL

ASSY. NO.

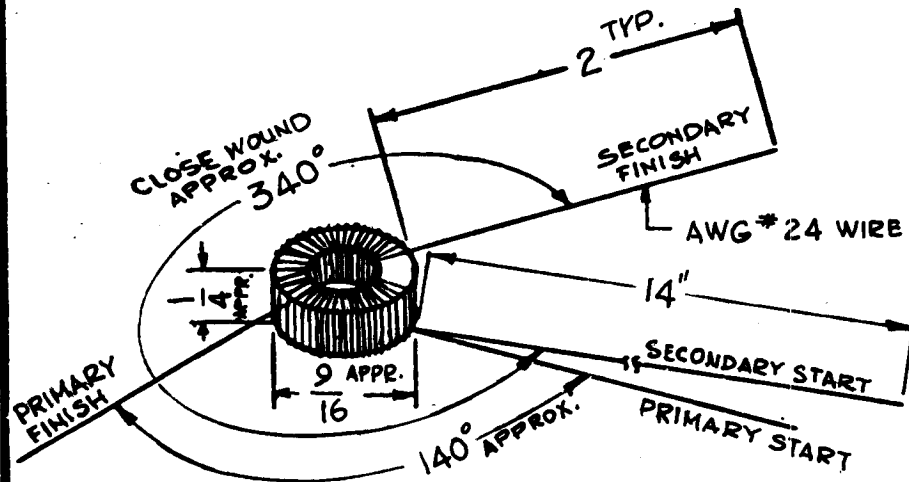
DATE

HFR-1/T

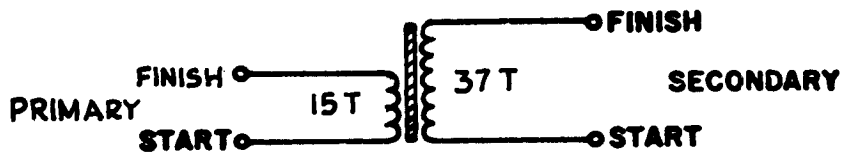
A-2526

8-31-62

TZ-110



SCHEMATIC DIAGRAM



ELECTRICAL SPECIFICATIONS

SECONDARY ~ $L = 5.7 \mu h \pm 0.13 \mu h$
 WITH COIL CLAMPED INTO Q METER 1/2" AWAY FROM TERMINALS,
 WITH START END OF COIL TO LOW SIDE.

$Q = 175$ AT 7.9 MC

$C \text{ DISTRIB} = 3 \mu \mu f$ (FOR REF ONLY)

PRIMARY ~ $L = 1.42 \mu h$ (FOR REF ONLY)

$C \text{ DISTRIB} = 5 \mu \mu f$ (FOR REF ONLY)

MODEL	REQ	FUNCTION	FREQ (MC)	SYMBOL
HFR-1/T	1	BAND 3	4-6 MC	T1004

SYM	DESCRIPTION	DATE	CH. NO.	DRAFTS	CHECKER	ENG. APP.	REQ. ITEM	PART NO.	DESCRIPTION	SYMBOL
									THE TECHNICAL MATERIEL CORP.	
									MAMARONECK, NEW YORK	
									TRANSFORMER, ANTENNA	
									BAND 3, FREQ. 4-6 MC	
UNLESS OTHERWISE SPECIFIED: DIMENSIONS ARE IN INCHES TOLERANCES ON FRAC. $\pm 1/64$ DEC. $\pm .005$ ANGLES $\pm 1/2^\circ$							SCALE: IA-2526		DRAWN: G. Green	
MAXIMUM ALLOWABLE TOLERANCES HAVE BEEN DETERMINED AND ANY DEVIATIONS WILL BE CAUSE FOR REJECTION. REMOVE ALL BURRS AND SHARP EDGES							TYPE & TEMPER HEATTREAT. SPEC.		CHECKED: H. De	
							FINISH & SPEC. NO.		FINAL APPROVAL: BP	
							ELEC. DES. APP. MECH. DES. APP.		TZ-110	

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REQ. PER UNIT

1 HFR-1/T

USED ON

MODEL

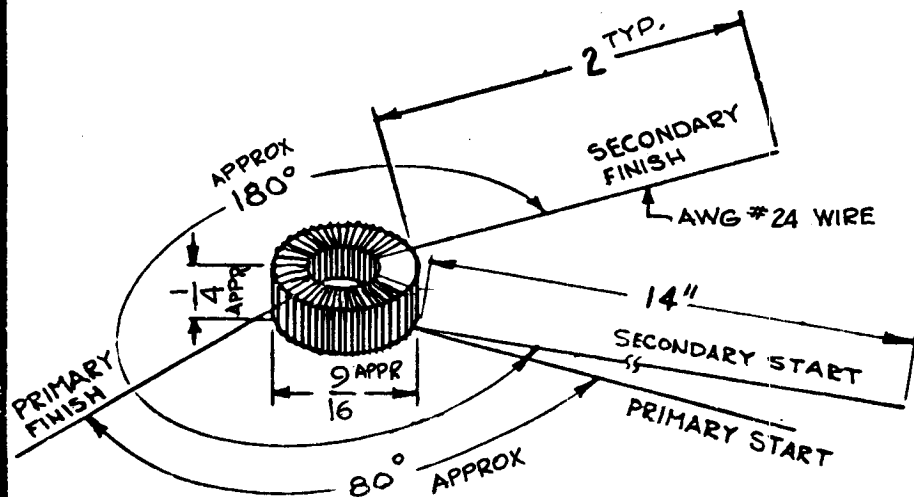
ASSY. NO.

DATE

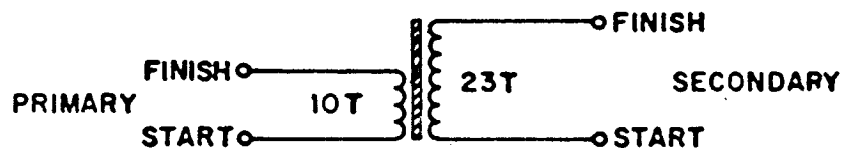
A-2527

8-31-62

TZ-111



SCHEMATIC DIAGRAM



ELECTRICAL SPECIFICATIONS

SECONDARY ~ $L = 2.68 \mu h \pm 0.1 \mu h$
 WITH COIL CLAMPED INTO Q-METER $1/2$ " AWAY FROM
 TERMINALS, WITH START END OF COIL TO LOW SIDE.
 $Q = 160$ AT 7.9 MC
 $C \text{ DISTRIB} = 1.4 \mu \mu f$ (FOR REF ONLY)
 PRIMARY ~ $L = 0.96 \mu h$ (FOR REF. ONLY)
 $C \text{ DISTRIB} = 2.9 \mu \mu f$ (FOR REF ONLY)

MODEL	REQ	FUNCTION	FREQ (MC)	SYMBOL
HFR-1/T	1	BAND *4	6-8 MC	T1005

SYM	DESCRIPTION	DATE	CH. NO.	DRAFTS	CHECKER	ENG. APP.	REQ. ITEM	PART NO.	DESCRIPTION	SYMBOL
									THE TECHNICAL MATERIEL CORP. MAMARONECK, NEW YORK	
									TRANSFORMER, ANTENNA	
									BAND 4, FREQ. 6-8 MC	
									<i>J. Langer</i> DRAWN	
									<i>H. De</i> CHECKED	
									<i>BP</i> FINAL APPROVAL	
									<i>J. Langer</i>	TZ-111
									ELEC. DES. APP	
									MECH. DES. APP	

UNLESS OTHERWISE SPECIFIED:
 DIMENSIONS ARE IN INCHES
 TOLERANCES ON
 FRAC. $\pm 1/64$ DEC. $\pm .008$ ANGLES $\pm 1/2^\circ$

SCALE: 1A-2527
 MAXIMUM ALLOWABLE TOLERANCES HAVE BEEN DETERMINED AND ANY DEVIATIONS WILL BE CAUSE FOR REJECTION.
 REMOVE ALL BURRS AND SHARP EDGES

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DATE

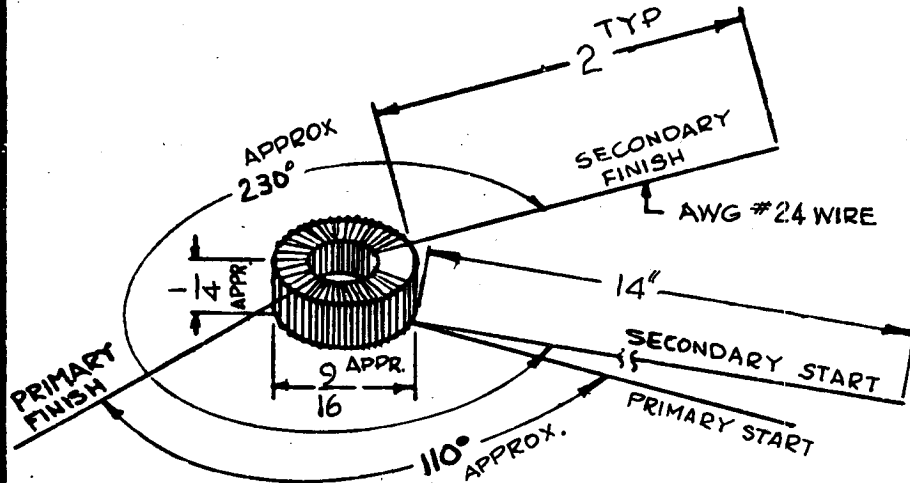
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HFR-1/T

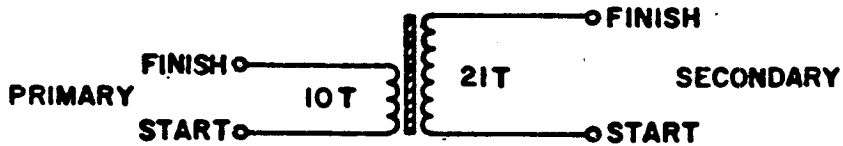
A-2528

8-31-62

TZ-112



SCHEMATIC DIAGRAM



ELECTRICAL SPECIFICATIONS

SECONDARY ~ $L = 2.1 \mu h \pm 0.07 \mu h$
 WITH COIL CLAMPED INTO Q-METER 1/2" AWAY FROM TERMINALS, WITH START END OF COIL TO LOW SIDE.
 $Q = 165$ AT 7.9 MC
 C DISTRIB $1.1 \mu \mu f$ (FOR REF. ONLY)
 PRIMARY ~ $L = 0.82 \mu h$ (FOR REF. ONLY)
 C DISTRIB $2.5 \mu \mu f$ (FOR REF. ONLY)

MODEL	REQ	FUNCTION	FREQ (MC)	SYMBOL
HFR-1/T	1	BAND # 5	8-12 MC	T1006

SYM	DESCRIPTION	DATE	CH. NO.	DRAFTS	CHECKER	ENG. APP.	REQ. ITEM	PART NO.	DESCRIPTION	SYMBOL
									THE TECHNICAL MATERIEL CORP. MAMARONECK, NEW YORK	
									TRANSFORMER, ANTENNA	
									BAND 5, FREQ. 8-12 MC.	
									<i>G. Green</i> <i>H. H. H.</i> <i>BP</i>	
									DRAWN CHECKED FINAL APPROVAL	
									<i>J. ANGER</i>	TZ-112
									ELEC. DES. APP. MECH. DES. APP.	

UNLESS OTHERWISE SPECIFIED:

DIMENSIONS ARE IN INCHES
 TOLERANCES ON

FRAC. $\pm 1/64$ DEC. $\pm .005$ ANGLES $\pm 1/2^\circ$

SCALE: 1A-2528

MAXIMUM ALLOWABLE TOLERANCES HAVE BEEN DETERMINED AND ANY DEVIATIONS WILL BE CAUSE FOR REJECTION.
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ASS'Y. NO.

DATE

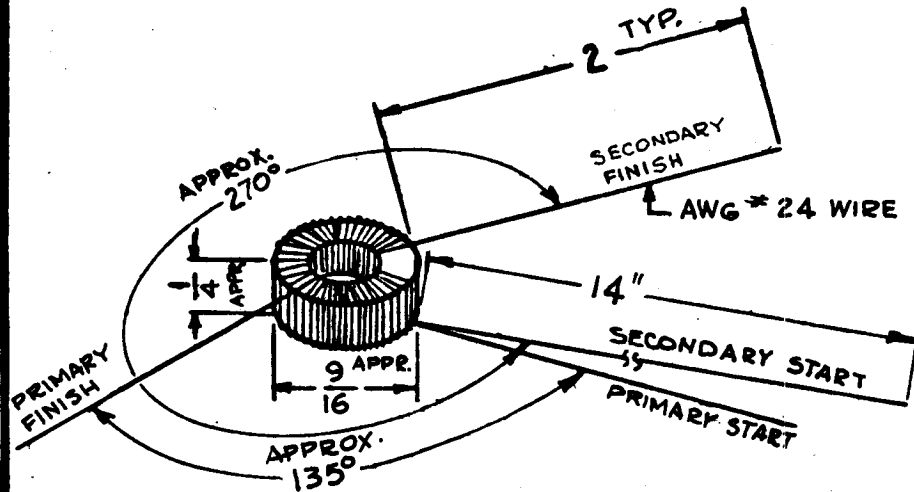
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HFR-1/T

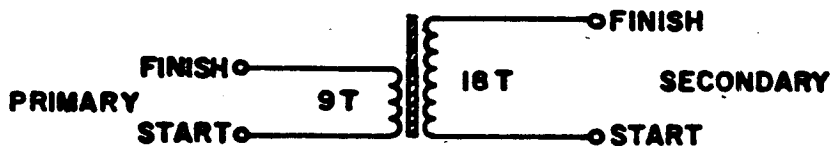
A-2529

8-31-62

TZ-113



SCHEMATIC DIAGRAM



ELECTRICAL SPECIFICATIONS

SECONDARY - $L = 1.48 \mu h \pm 0.04 \mu h$
WITH COIL CLAMPED INTO Q-METER 1/2" AWAY FROM TERMINALS,
WITH START END OF COIL TO LOW SIDE.

$Q = 160$ AT 7.9 MC

C DISTRIB = $0.6 \mu \mu f$ (FOR REF. ONLY)

PRIMARY - $L = 0.63 \mu h$ (FOR REF ONLY)

C DISTRIB = $2.4 \mu \mu f$ (FOR REF ONLY)

MODEL	REQ	FUNCTION	FREQ(MC)	SYMBOL
HFR-1/T	1	BAND #6.	12-16 MC	T1007

SYM	DESCRIPTION	DATE	CH. NO.	DRAFTS	CHECKER	ENG. APP.	REQ.	ITEM	PART NO.	DESCRIPTION	SYMBOL
										THE TECHNICAL MATERIEL CORP. MAMARONECK, NEW YORK TRANSFORMER, ANTENNA BAND 6, FREQ. 12-16 MC.	
UNLESS OTHERWISE SPECIFIED: DIMENSIONS ARE IN INCHES TOLERANCES ON FRAC. $\pm 1/64$ DEC. $\pm .005$ ANGLES $\pm 1/2^\circ$		SCALE: 1A-2529 MAXIMUM ALLOWABLE TOLERANCES HAVE BEEN DETERMINED AND ANY DEVIATIONS WILL BE CAUSE FOR REJECTION. REMOVE ALL BURRS AND SHARP EDGES					TYPE & TEMPER HEATTREAT. SPEC.		DRAWN CHECKED FINAL APPROVAL		
							FINISH & SPEC. NO.		ELEC. DES. APP. MECH. DES. APP.		TZ-113

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1

HFR-1/T

USED ON

MODEL

ASS'Y. NO.

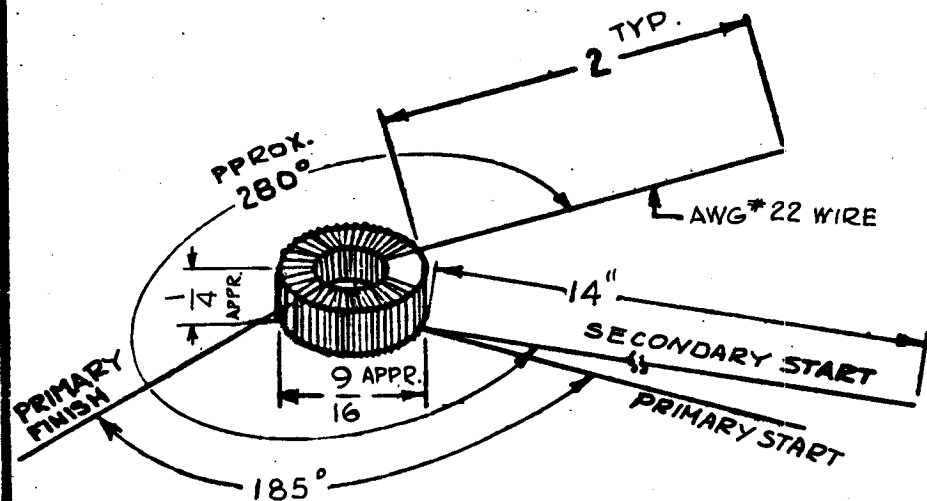
DATE

HFR-1/T

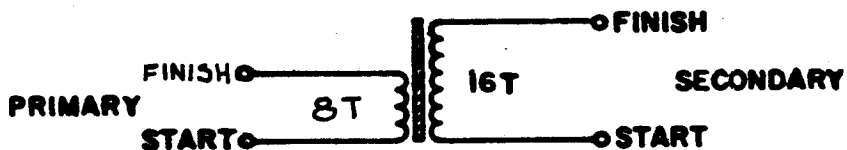
A-2530

8-31-62

TZ-114



SCHMATIC DIAGRAM



ELECTRICAL SPECIFICATIONS

SECONDARY ~ $L = 1.3 \mu h \pm 0.03 \mu h$
 WITH COIL CLAMPED INTO Q-METER
 TERMINALS WITH START END OF COIL TO LOW SIDE.

$Q = 140$ AT 25 MC
 $C \text{ DISTRIB} = 1.0 \mu \mu f$ (FOR REF. ONLY)
 PRIMARY ~ $L = 0.55 \mu h$ (FOR REF. ONLY)
 $C \text{ DISTRIB} = 2.8 \mu \mu f$ (FOR REF. ONLY)

MODEL	REQ	FUNCTION	FREQ (MC)	SYMBOL
HFR-1/T	1	BAND #7	16-24 MC	T1008

					REQ. ITEM	PART NO.	DESCRIPTION	SYMBOL	
							THE TECHNICAL MATERIEL CORP. MAMARONECK, NEW YORK		
							TRANSFORMER, ANTENNA		
							BAND 7, FREQ. 16-24 MC		
SYM	DESCRIPTION	DATE	CH. NO.	DRAFTS	CHECKER	ENG. APP.			
UNLESS OTHERWISE SPECIFIED: DIMENSIONS ARE IN INCHES TOLERANCES ON FRAC. $\pm 1/64$ DEC. $\pm .005$ ANGLES $\pm 1/2^\circ$		SCALE: 1A-2530							
		MAXIMUM ALLOWABLE TOLERANCES HAVE BEEN DETERMINED AND ANY DEVIATIONS WILL BE CAUSE FOR REJECTION. REMOVE ALL BURRS AND SHARP EDGES							
							DRAWN J. ANGER	CHECKED H. De	FINAL APPROVAL BP
									TZ-114

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REQ. PER UNIT

1

USED ON

MODEL

HFR-1/T

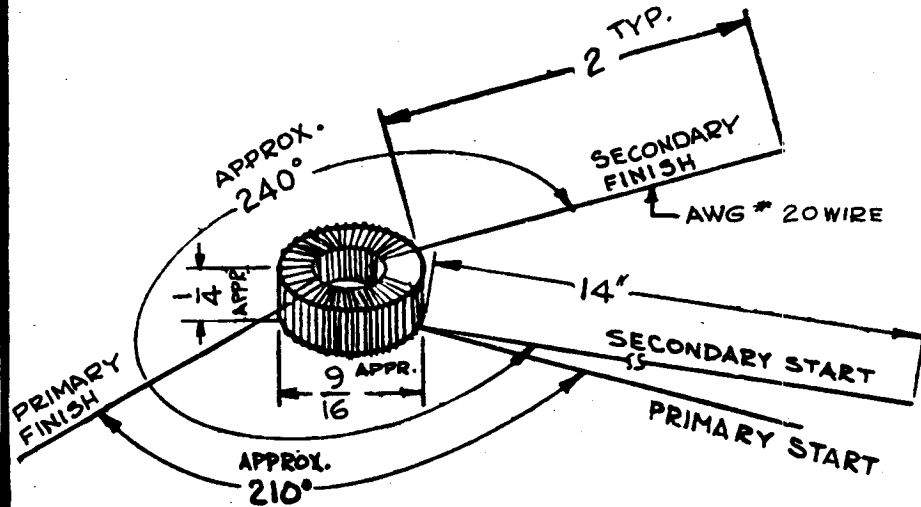
ASSY. NO.

A-2531

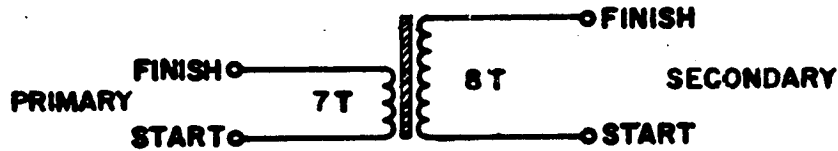
DATE

8-31-62

TZ-115



SCHEMATIC DIAGRAM



ELECTRICAL SPECIFICATIONS

SECONDARY ~ $L = 0.398 \mu h \pm 0.012 \mu h$
 WITH COIL CLAMPED INTO Q-METER 1/2" AWAY FROM TERMINALS,
 WITH START END OF COIL TO LDW SIDE.

$Q = 125$ AT 25 MC

C DISTRIB = $1.0 \mu \mu f$ (FOR REF. ONLY)

PRIMARY ~ $L = 0.385 \mu h$ (FOR REF. ONLY)

C DISTRIB = $1.3 \mu \mu f$ (FOR REF. ONLY)

MODEL	REQ	FUNCTION	FREQ(MC)	SYMBOL
HFR-1/T	1	BAND #8	24-32 MC	T1009

SYM	DESCRIPTION	DATE	CH. NO.	DRAFTS	CHECKER	ENG. APP.	REQ. ITEM	PART NO.	DESCRIPTION	SYMBOL
									THE TECHNICAL MATERIEL CORP. MAMARONECK, NEW YORK	
								STOCK SIZE	TRANSFORMER, ANTENNA	
								MATERIAL	BAND 8, FREQ. 24-32 MC	
									<i>G. Green</i> <i>J. De</i>	<i>BR</i>
									DRAWN	CHECKED
									<i>J. ANGER</i>	
									ELEC. DES. APP.	MECH. DES. APP.
										TZ-115

UNLESS OTHERWISE SPECIFIED:
 DIMENSIONS ARE IN INCHES
 TOLERANCES ON
 FRAC. $\pm 1/64$ DEC. $\pm .005$ ANGLES $\pm 1/2^\circ$

SCALE: 1A-2531
 MAXIMUM ALLOWABLE TOLERANCES HAVE BEEN DETERMINED AND ANY DEVIATIONS WILL BE CAUSE FOR REJECTION.
 REMOVE ALL BURRS AND SHARP EDGES

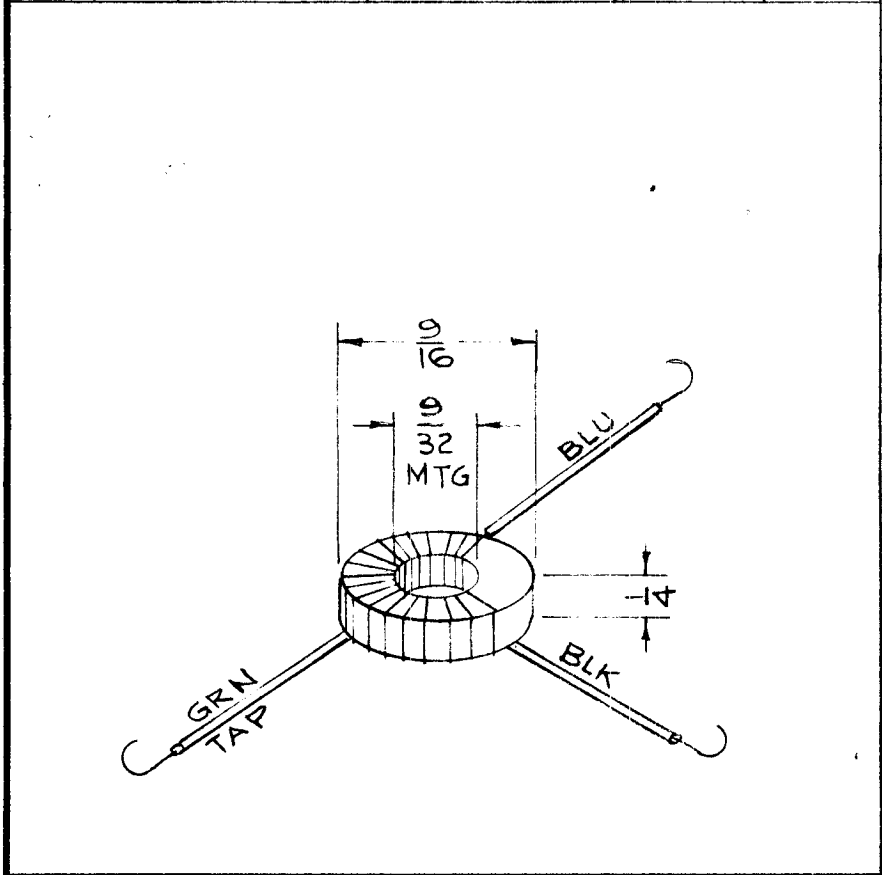
THE CONTENTS OF THIS DRAWING ARE THE EXCLUSIVE PROPERTY OF THE TECHNICAL MATERIEL CORP. ITS UNAUTHORIZED USE FOR REPRODUCTION IN WHOLE OR IN PART IS STRICTLY FORBIDDEN.	REQ. PER UNIT	USED ON			TZ-116	A
	1	MODEL	ASS'Y. NO.	DATE		
		TTR-10	AX-411	5-21-63		

SYMBOL	FUNCTION	OPER. FREQ.	USED ON	QUAN.
T1301	IFT Tank	8 to 16 mc.	AX-411	1

SPECIFICATIONS
WINDING DATA: INDUCTANCE: 1.46 ± .05 uhy (BLK-BLU)
:33 ± .05 uhy (BLK-GRN)
Total Turns - 18
Turns At Tap - 6

COIL FORM: Powdered Iron

LEADS: Size 25 Wire, 1-1/2 Long



COLOR CODE

NOTE:
COLORS DENOTE
'TZ' NUMBER IN RETMA
COLOR CODE

				REQ. ITEM	PART NO.	K6414	DESCRIPTION	E 3037-78	SYMBOL			
				STOCK SIZE		THE TECHNICAL MATERIEL CORP. MAMARONECK, NEW YORK						
				MATERIAL		TRANSFORMER, R.F., IFT						
						8 - 16 MC.						
SYM	DESCRIPTION	DATE	CH. NO.	DRAFTS	CHECKER	ENG. APP.						
A	CLERICAL CHANGE	8.24.64		LB	@							
UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES AND INCLUDE CHEMICALLY APPLIED OR PLATED FINISHES		SCALE		NONE								
DECIMALS .X ± .05 .XX ± .01 .XXX ± .005		FRACTIONS ± 1/64 ANGLES ± 0° 30'		CODE	2A-3154		DRAWN		ROCKOHN	5/29/63	FINAL APPROVAL	LB
TOLERANCES						TYPE & TEMPER		HEAT TREAT. SPEC.				
						FINISH & SPEC. NO.		ELEC. DES. APP.		MECH. DES. APP.		
								TZ-116		A		

THE CONTENTS OF THIS DRAWING ARE THE EXCLUSIVE PROPERTY OF THE TECHNICAL MATERIEL CORP. ITS UNAUTHORIZED USE FOR REPRODUCTION IN WHOLE OR IN PART IS STRICTLY FORBIDDEN.	REQ. PER UNIT	USED ON		TZ-117	A	
	1	MODEL	ASSY. NO.			DATE
		TTR-10	AX-409			5-21-63

SYMBOL	FUNCTION	OPER. FREQ.	USED ON	QUAN.
T1101	IFT Tank	2 to 4 mc.	AX-409	1

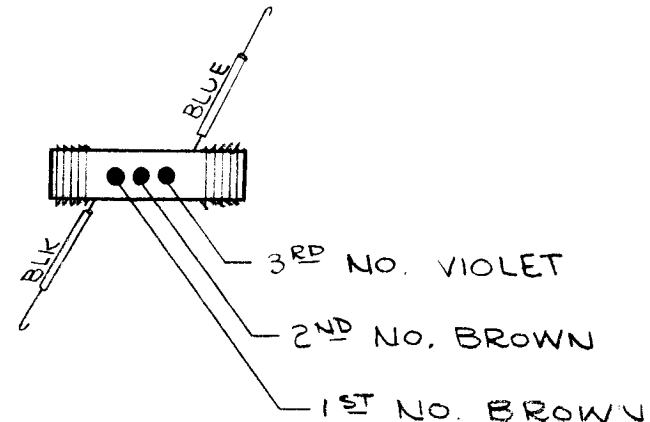
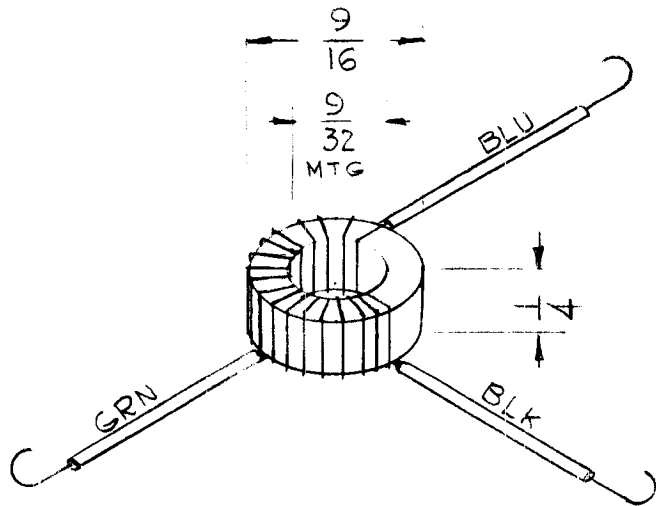
SPECIFICATIONS

WINDING DATA: INDUCTANCE: $8 \pm .20$ uhy (BLK-BLU)
 $2.05 \pm .2$ uhy (BLK-GRN)
 Total Turns - 43
 Turns At Tap - 15

COIL FORM: Powdered Iron

LEADS: Size 28 Wire, 1-1/2 Long

COLOR CODE



NOTE:
 COLOR'S DENOTE
 "TZ" NUMBER IN RETMA
 COLOR CODE

REQ.	ITEM	PART NO.	DESCRIPTION			SYMBOL
		KOHN	THE TECHNICAL MATERIEL CORP. MAMARONECK, NEW YORK			
			TRANSFORMER, R.F., IFT			
			2 - 4 MC.			
A	CLERICAL CHANGE	8.24.64	NB			
SYM	DESCRIPTION	DATE	CH. NO.	DRAFTS	CHECKER	ENG. APP.
UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES AND INCLUDE CHEMICALLY APPLIED OR PLATED FINISHES		SCALE	NONE			
TOLERANCES		CODE	2A-3155			
DECIMALS .X ± .05 .XX ± .01 .XXX ± .005		FRACTIONS ± 1/64 ANGLES ± 0° 30'				
		TYPE & TEMPER	HEAT TREAT. SPEC.	DRAWN	CHECKED	FINAL APPROVAL
		FINISH & SPEC. NO.	ELEC. DES. APP.	MECH. DES. APP.	TZ-117	A

THE CONTENTS OF THIS DRAWING ARE THE EXCLUSIVE PROPERTY OF THE TECHNICAL MATERIEL CORP. ITS UNAUTHORIZED USE FOR REPRODUCTION IN WHOLE OR IN PART IS STRICTLY FORBIDDEN.

REQ. PER UNIT

1

USED ON

MODEL

TTR-10

ASS'Y. NO.

AX-410

DATE

5-21-63

TZ-118

A

SYMBOL	FUNCTION	OPER. FREQ.	USED ON	QUAN.
T1201	IFT Tank	4 to 8 mc.	AX-410	1

SPECIFICATIONS

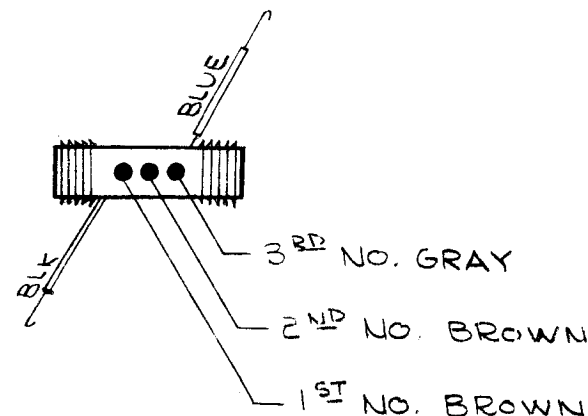
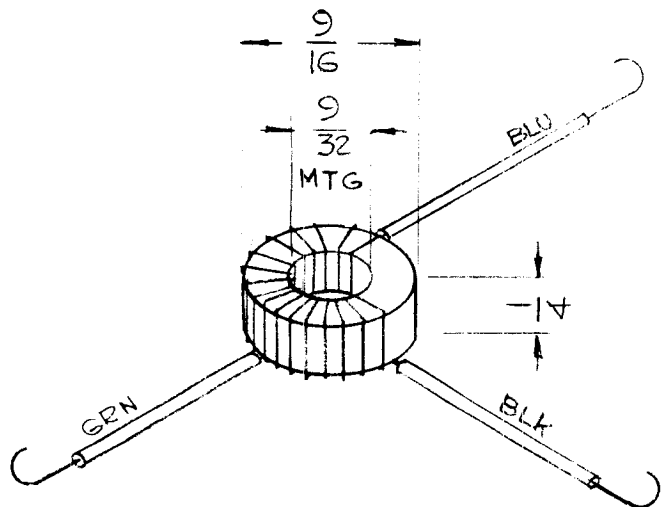
WINDING DATA: INDUCTANCE: 3.65 ± .10 uhy (Blk-BLU)
.91 ± .05 uhy (BLK-GRN)

Total Turns - 28
Turns At Tap - 10

COIL FORM: Powdered Iron

LEADS: Size 28 Wire, 1-1/2 Long

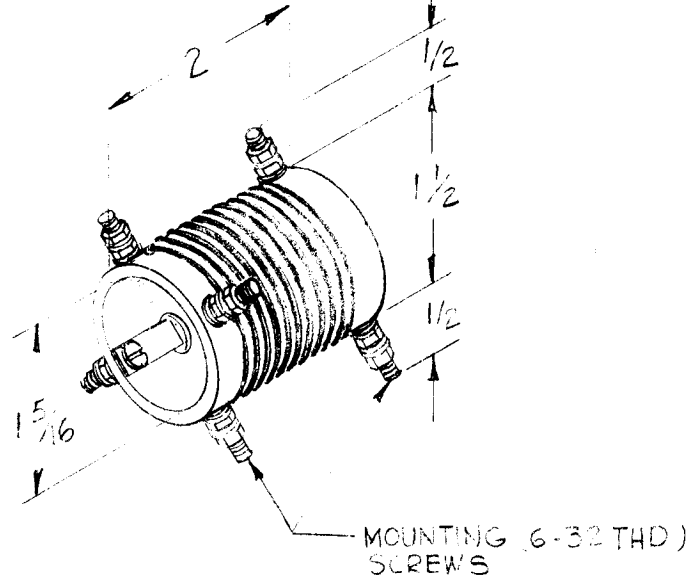
COLOR CODE



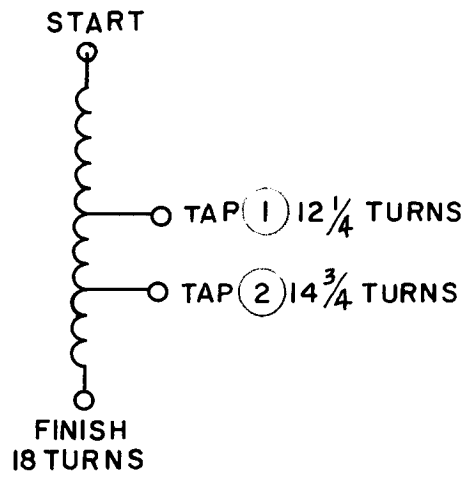
NOTE:
COLORS DENOTE
"TZ" NUMBER IN
RETMA COLOR CODE.

REQ.	ITEM	PART NO.	KOHN	DESCRIPTION	E 3037-77	SYMBOL
				THE TECHNICAL MATERIEL CORP. MAMARONECK, NEW YORK		
				TRANSFORMER, R.F., IFT		
				4 - 8 MC.		
A	CLERICAL CHANGE	8.24.64	HB	@		
SYM	DESCRIPTION	DATE	CH. NO.	DRAFTS	CHECKER	ENG. APP.
UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES AND INCLUDE CHEMICALLY APPLIED OR PLATED FINISHES		SCALE	NONE			
DECIMALS .X ± .05 .XX ± .01 .XXX ± .005	TOLERANCES	FRACTIONS ± 1/64 ANGLES ± 0° 30'	CODE	2A-3156		
					G.D.L.	FILE 5/24/63
					DRAWN	CHECKED
					RON KOHN	BP
					ELEC. DES. APP.	MECH. DES. APP.
						TZ-118
						A

SYMBOL	FUNCTION	OPER. FREQ.	USED ON	QUAN.
T1102	FT TANK	2 to 4 MC	TTR-10 AX-409	1



REQ. PER. UNIT	USED ON			TZ-120	A
	MODEL	ASSY. NO.	DATE		
1	TTR-10	AX-409	7-3-53		



— SCHEMATIC —

-ELECTRICAL SPECIFICATIONS-

1. TOTAL INDUCTANCE (START TO FINISH)- 9.5uhy
± .95uhy
2. "Q" AT TEST FREQUENCY- GREATER THAN 200
3. TEST FREQUENCY - 2.5MC

WINDING DATA

WINDING NO. 1
 NOMINAL INDUCTANCE=9.5uh
 NO. OF TURNS = 18
 NO. OF TAPS = 2
 NO. OF TURNS TAPPED 12-1/4 & 14 3/4
 COIL FORM DATA
 MATERIAL: PHENOLIC
 TERMINALS
 QUAN. = 4
 TYPE = SCREW

				REQ.	ITEM	PART NO.	R. KOHN	DESCRIPTION	E3027-80	SYMBOL	
							THE TECHNICAL MATERIEL CORP. MAMARONECK, NEW YORK				
				STOCK SIZE			TRANSFORMER, R.F., FT				
				MATERIAL							
ISSUE	ITEM	CHANGED FROM	DATE	CH. NO.	DRAFTS	CHECKER	ENG. APP.				
A		CLERICAL CHANGE	8.24.64		WB						
TOLERANCES			A	SCALE		2A-3507 S401-47					
DEC. DIM. ± FRAC. DIM. ± ANGULAR DIM. ±			MAXIMUM ALLOWABLE TOLERANCES HAVE BEEN DETERMINED AND ANY DEVIATIONS WILL BE CAUSE FOR REJECTION. REMOVE ALL BURRS AND SHARP EDGES				TYPE & TEMPER		HEATTREAT. SPEC.		
							DRAWN		CHECKED		FINAL APPROVAL
							R KOHN		R. KOHN		TZ-120
							FINISH & SPEC. NO.		ELEC. DES. APP		MECH. DES. APP
											A

THE CONTENTS OF THIS DRAWING ARE THE EXCLUSIVE PROPERTY OF THE TECHNICAL MATERIEL CORP. ITS UNAUTHORIZED USE FOR REPRODUCTION IN WHOLE OR IN PART IS STRICTLY FORBIDDEN.

REQ. PER UNIT	USED ON		TZ-119	A
	MODEL	ASS'Y. NO.		
1	TTR-10	AX-412	5-21-63	

SYMBOL	FUNCTION	OPER. FREQ.	USED ON	QUAN.
T1401	IFT Tank	16 - 32 mc.	AX-412	1

SPECIFICATIONS

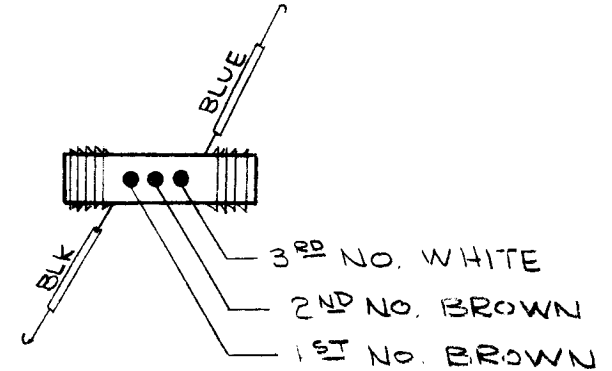
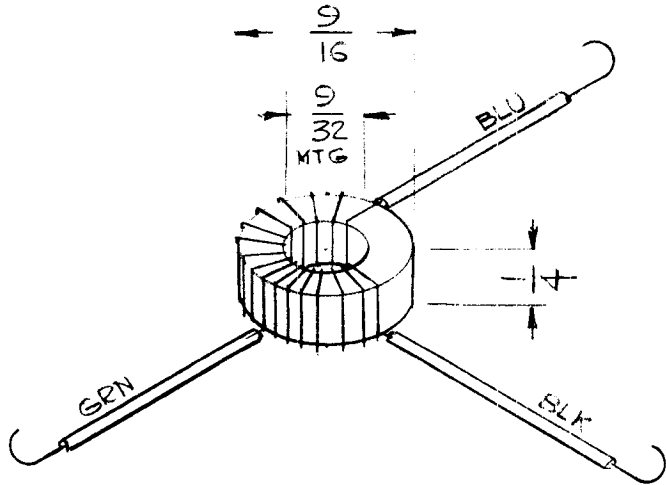
WINDING DATA: INDUCTANCE: .34 ± .05 uhy (BLK-BLU)
.11 ± .05 uhy (BLK-GRN)

Total Turns - 8
Turns At Tap - 3

COIL FORM: Powdered Iron

LEADS: Size 20 Wire, 1-1/2 Long

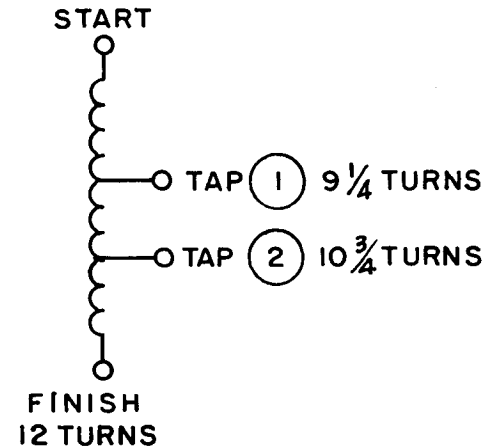
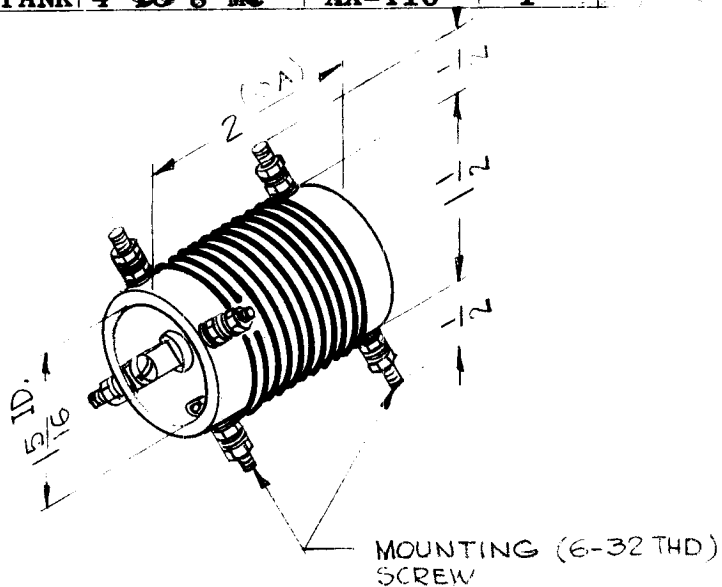
COLOR CODE



NOTE:
COLORS DENOTE
"TZ" NUMBER IN
RETMA. COLOR CODE.

REQ.	ITEM	PART NO.	DESCRIPTION	SYMBOL
			KOHL	
STOCK SIZE			THE TECHNICAL MATERIEL CORP. MAMARONECK, NEW YORK	
MATERIAL			TRANSFORMER, R.F., IFT	
SCALE			16 - 32 MC.	
TYPE & TEMPER			G.D.L. <i>JD</i> 5/28/63	
HEAT TREAT. SPEC.			DRAWN CHECKED FINAL APPROVAL	
FINISH & SPEC. NO.			RON KOHN	
ELEC. DES. APP.			TZ-119	
MECH. DES. APP.			A	

SYMBOL	FUNCTION	OPER. FREQ.	USED ON	QUAN.	REQ. PER UNIT	USED ON			TZ-121	A
						MODEL	ASS'Y. NO.	DATE		
T1202	FT TANK	4 TO 8 MC	TTR-10 AX-410	1	1	TTR-10	AX-410	7-6-63		



— SCHEMATIC —

ELECTRICAL SPECIFICATIONS

- TOTAL INDUCTANCE (START TO FINISH)
4.5 UHY ± .40UHY
- "Q" AT TEST FREQUENCY - GREATER THAN 290
- TEST FREQUENCY - 7.9MC

WINDING DATA

WINDING NO. 1
 NOMINAL INDUCTANCE = 4.5UH
 NO. OF TURNS = 12
 NO. OF TAPS = 2
 NO. OF TURNS TAPPED = 9 1/4
 & 10 3/4

TERMINALS

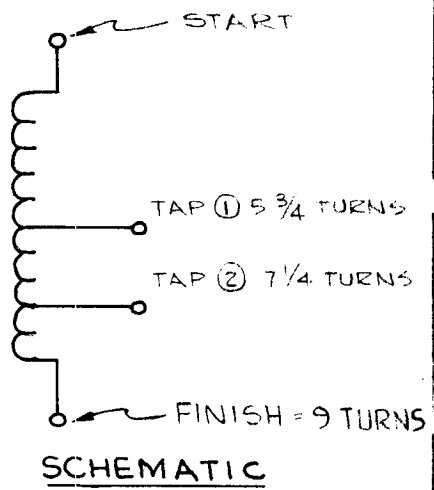
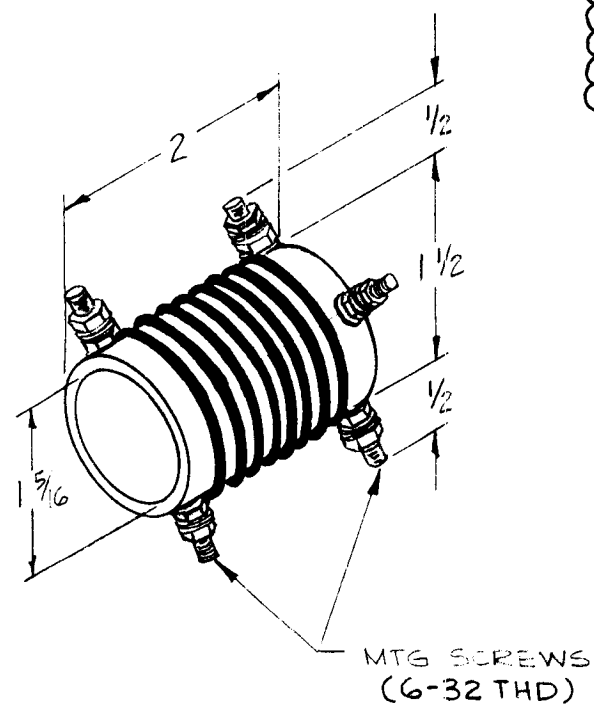
QUAN. = 4
 TYPE = SCREW

COIL FORM DATA

MATERIAL - PHENOLIC

							REQ. ITEM	PART NO.	R. KOHN	DESCRIPTION	E3037-21	SYMBOL	
										THE TECHNICAL MATERIEL CORP. MAMARONECK, NEW YORK			
										TRANSFORMER, RF, FT			
A	CLERICAL CHANGE	824.64		WB									
SYM	DESCRIPTION	DATE	CH. NO.	DRAFTS	CHECKER	ENG. APP.	MATERIAL						
UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES AND INCLUDE CHEMICALLY APPLIED OR PLATED FINISHES		SCALE	S401-47						G.D.L.				
							TYPE & TEMPER	HEAT TREAT. SPEC.	DRAWN	CHECKED	FINAL APPROVAL		
DECIMALS .X ± .05 .XX ± .01 .XXX ± .005	TOLERANCES	FRACTIONS ± 1/64 ANGLES ± 0° 30'	CODE	2A-3208						R. KOHN 10-18-63	R. KOHN 10-18-63	TZ-121	A
							FINISH & SPEC. NO.		ELEC. DES. APP.	MECH. DES. APP.			

REQ. PER UNIT	USED ON			TZ-122	A
	MODEL	ASS'Y. NO.	DATE		
1	TTR-10	AX-411	7-6-63		



WINDING DATA

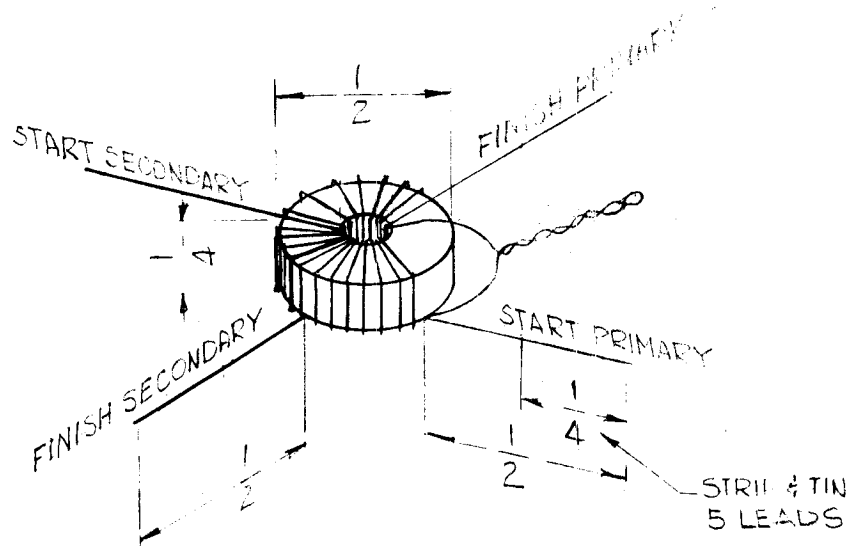
WINDING NO. 1
 NOMINAL INDUCTANCE 2.4uh
 NO. OF TURNS = 9 EQ. SPACED - RANDOM
 WOUND - RIGHT HAND TURN
 NO. OF TAPS = 2
 NO. OF TURNS TAPPED = 5 3/4 & 7 1/4
COIL FORM DATA
 MATERIAL: PHENOLIC
TERMINALS:
 QUAN. = 4
 TYPE = SCREW

ELECTRICAL SPECIFICATIONS

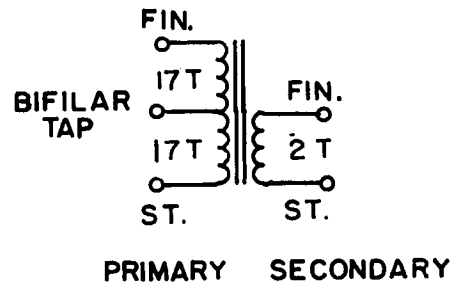
INDUCTANCE $L = 2.4uh \pm .24uh$
 Q = GREATER THAN 290
 F = 7.9 MC
 D. C. RESISTANCE = NOT RATED
 CURRENT RATING

				REQ. ITEM	PART NO.		KOHN DESCRIPTION E3037-22			SYMBOL	
				STOCK SIZE			THE TECHNICAL MATERIEL CORP. MAMARONECK. NEW YORK				
							TRANSFORMER, R.F., F.T.				
A	CLERICAL CHANGE	8.24.64		MB							
SYM	DESCRIPTION	DATE	CH. NO.	DRAFTS	CHECKER	ENG. APP.	MATERIAL				
UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES AND INCLUDE CHEMICALLY APPLIED OR PLATED FINISHES		SCALE S-401-47									
DECIMALS .X ± .05 .XX ± .01 .XXX ± .005	TOLERANCES	FRACTIONS ± 1/64 ANGLES ± 0° 30'	CODE A	2A-3209				R. KOHN	R. KOHN	TZ-122	A
						FINISH & SPEC. NO.	ELEC. DES. APP.	MECH. DES. APP.			

SYMBOL	FUNCTION	OPER. REQ.	USED ON	QUAN.	REQ. PER UNIT	USED ON			
						MODEL	ASS'Y. NO.	DATE	
T1703	IP INTERSTAGE	1. TB-MC	TTR-10 AX-418	1	1	TTR-10	A-3222	7-11-63	TZ-124



— SCHEMATIC —



WINDING DATA

WINDING NO. 1
 NOM. IND: 5.5uh ± .300 uh
 NO. OF TURNS: 34
 NO. OF TAPS: 1
 NO. OF TURNS TAPPED: 17

WINDING NO. 2
 NOM. IND: NOT RATED
 NO. OF TURNS: 2
 NO. OF TAPS: NONE

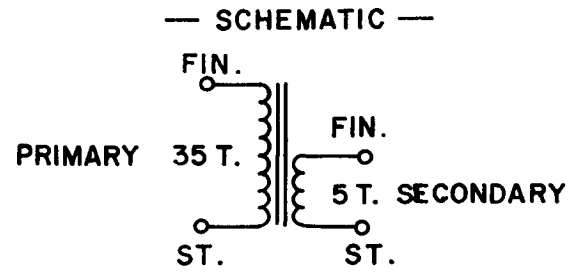
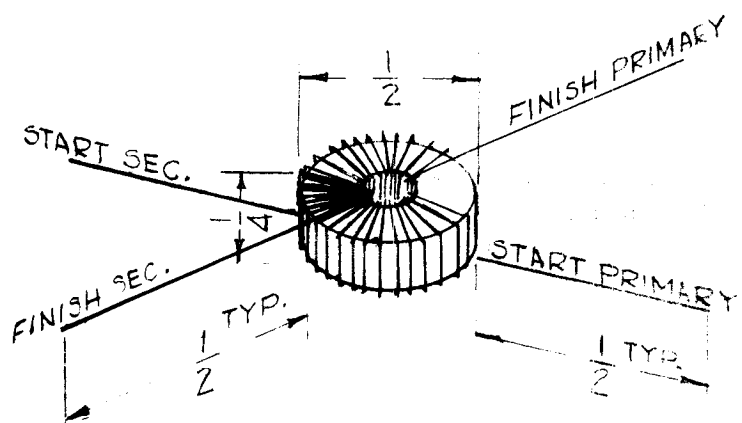
COIL FORM DATA
 MATERIAL: POWDERED IRON

TERMINALS:
 QUAN: 5
 TYPE: WIRE LEADS (1/2 LONG)

REQ.	ITEM	PART NO.	R. KOHN	DESCRIPTION	E 302-94	SYMBOL
STOCK SIZE			THE TECHNICAL MATERIEL CORP. MAMARONECK. NEW YORK			
MATERIAL			TRANSFORMER, INTERMEDIATE FREQ., FIXED			
SYM	DESCRIPTION	DATE	CH. NO.	DRAFTS	CHECKER	ENG. APP.
UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES AND INCLUDE CHEMICALLY APPLIED OR PLATED FINISHES		SCALE	DO NOT SCALE			
DECIMALS .X ± .05 .XX ± .01 .XXX ± .005	TOLERANCES	FRACTIONS ± 1/64 ANGLES ± 0° 30'	CODE A	1A-3213		
FINISH & SPEC. NO.			R. Kohn	9/4/63	BP	TZ-124
ELEC. DES. APP.			MECH. DES. APP.			

SYMBOL	FUNCTION	OPER. FREQ.	USED ON	QUAN.
T1704	IF OUTPUT	1.75 M.C.	TTR-10 AX-418	1

REQ. PER UNIT	USED ON			TZ-125
	MODEL	ASS'Y. NO.	DATE	
1	TTR-10	A-3222	7-29-63	



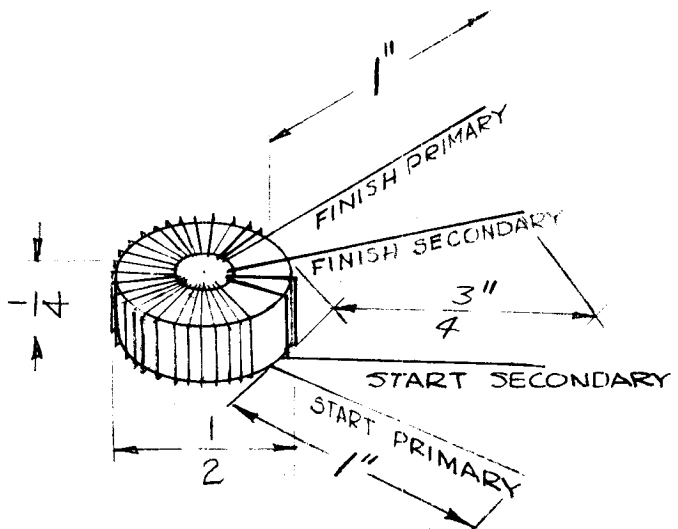
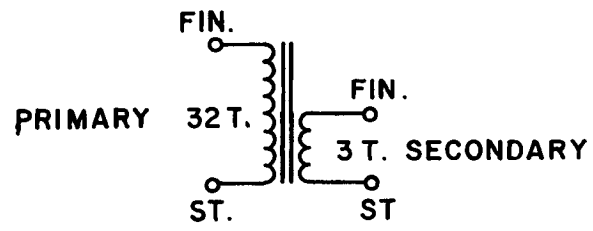
WINDING DATA

WINDING NO. 1
 NOMINAL INDUCTANCE = 5.0uh ± .250 uh
 NO. OF TURNS = 35
 NO. OF TAPS = NONE
 WINDING NO. 2
 NOMINAL INDUCTANCE: NOT RATED
 NO. OF TURNS: 5
 NO. OF TAPS: NONE
 COIL FORM DATA
 MATERIAL: POWDERED IRON
 TERMINALS
 QUAN. = 4
 TYPE = WIRE LEAD (1/2 LG.)

ELECTRICAL SPECIFICATIONS

INDUCTANCE (PRI) L = 5.0 UHY ± .200 UHY
 MIN. Q = 215 AT 7.9 MC
 D. C. RESISTANCE = NOT RATED
 CURRENT RATING = NOT RATED

SYMBOL	DESCRIPTION	DATE	CH. NO.	DRAFTS	CHECKER	ENG. APP.	REQ. ITEM	PART NO.	R. KOHN	DESCRIPTION	E 3037-93	SYMBOL				
UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES AND INCLUDE CHEMICALLY APPLIED OR PLATED FINISHES							DO NOT SCALE									
DECIMALS .X ± .05 .XX ± .01 .XXX ± .005							TOLERANCES		FRACTIONS ± 1/64 ANGLES ± 0° 30'		CODE A		1A-3214			
MATERIAL							TYPE & TEMPER		HEAT TREAT. SPEC.		DRAWN G.D.L.		CHECKED 9/12/63		FINAL APPROVAL RKP	
FINISH & SPEC. NO.							ELEC. DES. APP.		MECH. DES. APP.		TZ-125					

SYMBOL	FUNCTION	OPER. FREQ.	USED ON	QUAN.	REQ. PER UNIT	USED ON			TZ-126	B
						MODEL	ASS'Y. NO.	DATE		
T1601	IF INTERSTAGE	1.75 MC	TTR-10 AX-418	1	1	TTR-10	A-3189	7-29-63		
						<p>WINDING DATA</p> <p>WINDING NO. 1 NOMINAL INDUCTANCE: 4.5 uh NO. OF TURNS: 32 NO. OF TAPS: NONE</p> <p>WINDING NO. 2 NOM. IND.: NOT RATED NO. OF TURNS: 3 NO. OF TAPS: NONE</p> <p>COIL FORM DATA MATERIAL: POWDERED IRON</p> <p>MOUNTING DATA METHOD: SINGLE HOLE DIMENSIONS: 3/16 DIA.</p> <p>TERMINALS: QUAN.: 4 TYPE: WIRE LEAD (PRI. 1" LONG) (SEC. 3/4" LONG)</p>				
						<p>ELECTRICAL SPECIFICATIONS</p> <p>INDUCTANCE (PRI) L= 4.5UH ± .200UH</p> <p>MIN. Q= 200 At 7.9 MC. D. C. RESISTANCE = NOT RATED CURRENT RATING = NOT RATED</p>				
<p>— SCHEMATIC —</p> 						<p>REQ. ITEM PART NO. R. KOHN DESCRIPTION E3037-93 SYMBOL</p>				
<p>B ON PICT. 1" WAS 1/2, 3/4 WAS 1/2 ON TYPE (PRI. & SEC. LENGTH ADD)</p>						<p>THE TECHNICAL MATERIEL CORP. MAMARONECK, NEW YORK</p>				
<p>A START PRI. WAS START SEC. START SEC. WAS START PRI</p>						<p>TRANSFORMER, INTERMEDIATE FREQ., FIXED</p>				
<p>UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES AND INCLUDE CHEMICALLY APPLIED OR PLATED FINISHES</p>						<p>SCALE DO NOT SCALE</p>				
<p>DECIMALS TOLERANCES FRACTIONS ± 1/64 ANGLES ± 0° 30'</p>						<p>TYPE & TEMPER HEAT TREAT. SPEC. DRAWN CHECKED FINAL APPROVAL</p>				
<p>CODE A IA-3215</p>						<p>FINISH & SPEC. NO. ELEC. DES. APP. MECH. DES. APP.</p>				

SYMBOL	FUNCTION	OPER. FREQ	USED ON	REQ.
T401	IMC TANK	IMC	LFS-1	1
T404	IMC TANK	IMC	LFS-1	1
T646	IMC TANK	IMC	LFS-1	5

REQ. PER UNIT	USED ON		
	MODEL	ASS'Y. NO.	DATE
1	SEE CHART		10-21-63

TZ 164 0

TRANSFORMER, R.F. FIXED

WINDING DATA:

WINDING NO. 1 (PRIMARY)
 NOM. IND. - 15.1 uh
 NO. OF TURNS - 13

WINDING NO. 2 (SECONDARY)
 NOM. IND. - 62 uh
 NO. OF TURNS - 26
 NO. OF TAPS - 1
 NO. OF TURNS TAPPED - 13

COIL FORM DATA:

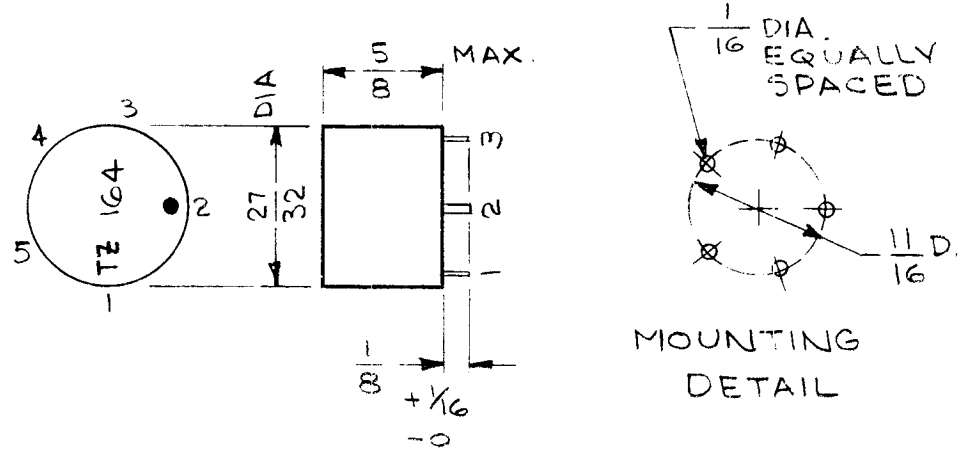
MATERIAL - POWDERED IRON

CASE DATA:

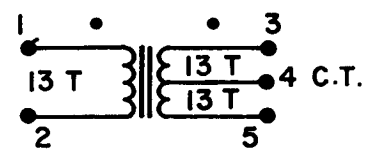
MATERIAL - POTTED
 COLOR - ORANGE

TERMINAL DATA:

QUANTITY - 5
 TYPE - STAKED LUGS



MOUNTING
DETAIL



• INDICATES START OF WINDING

PRIMARY SECONDARY

— SCHEMATIC DIAGRAM —

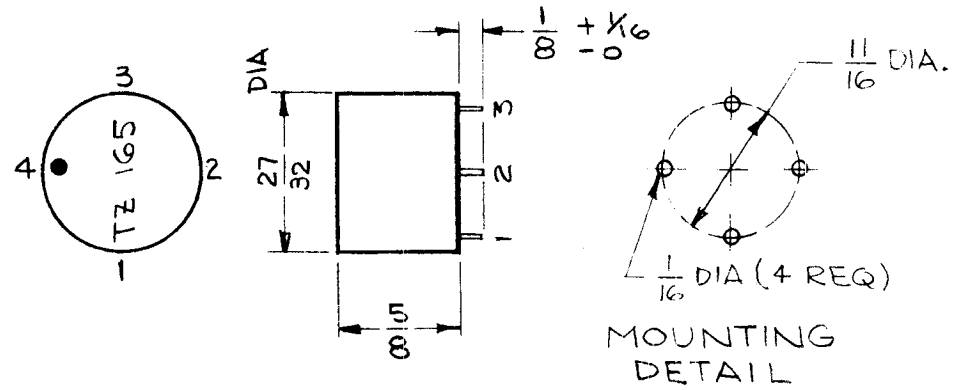
REQ.	ITEM	PART NO.	M. GELLMAN	DESCRIPTION	SYMBOL			
		— N —		THE TECHNICAL MATERIEL CORP. MAMARONECK, NEW YORK				
		STOCK SIZE		TRANSFORMER, R.F. FIXED				
0	ORIGINAL RELEASE	7-27-64	G.D.L. @					
SYM	DESCRIPTION	DATE	CH. NO.	DRAFTS	CHECKER	ENG. APP.		
UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES AND INCLUDE CHEMICALLY APPLIED OR PLATED FINISHES		SCALE	NONE					
DECIMALS X ± .05 .XX ± .01 .XXX ± .005	TOLERANCES	FRACTIONS ± 1/64 ANGLES ± 0° 30'	CODE	A 2A 3447				
				TYPE & TEMPER	HEAT TREAT. SPEC.	DRAWN	CHECKED	FINAL APPROVAL
				FINISH & SPEC. NO.	ELC. DES. APP.	MECH. DES. APP.		

TZ 164 0

SYMBOL	FUNCTION	OPER FREQ.	USED ON	REQ.
T601	10 MC TANK	10 MC	LFS-1	5
T647	10 MC TANK	10 MC	LFS-1	5
T701	10 MC TANK	10 MC	LFS-1	1
T702	10 MC TANK	10 MC	LFS-1	1

REQ. PER UNIT	USED ON		
	MODEL	ASSY. NO.	DATE
1	SEE CHART		9-24-63

TZ 165- \emptyset



-TRANSFORMER, R.F. FIXED

WINDING DATA:

WINDING NO. 1 (PRIMARY)
 NOMINAL INDUCTANCE - 1.75 uh
 NO. OF TURNS - 15

WINDING NO. 2 (SECONDARY)
 NOMINAL INDUCTANCE - .7 uh
 NO. OF TURNS - 6

COIL FORM DATA:

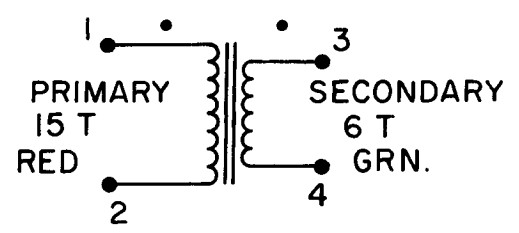
MATERIAL - POWDERED IRON

CASE DATA:

MATERIAL - POTTED
COLOR - BLUE

TERMINAL DATA:

QUANTITY - 4
TYPE - STAKED LUGS

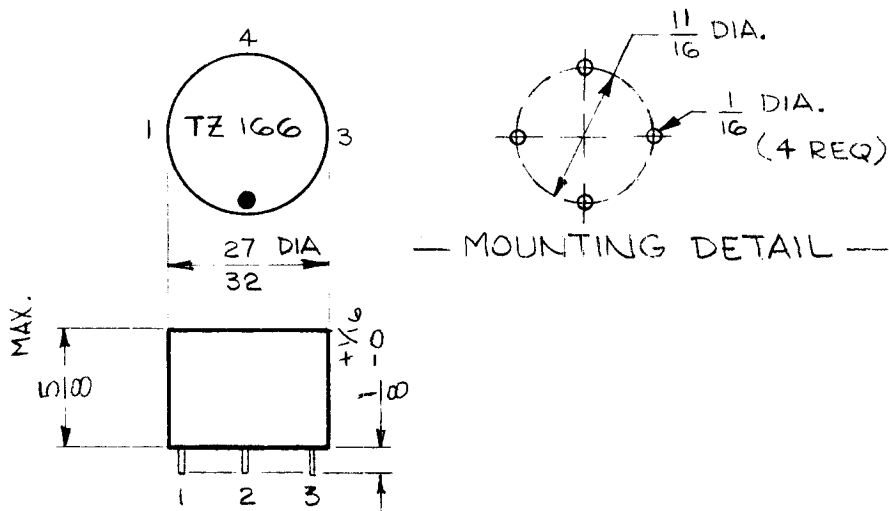


• INDICATE START OF WINDING

— SCHEMATIC DIAGRAM —

REQ. ITEM	PART NO.	M. GELLMAN	DESCRIPTION	SYMBOL									
	—		THE TECHNICAL MATERIEL CORP. MAMARONECK, NEW YORK										
	SEE SPECS		TRANSFORMER, R.F. FIXED										
SYMBOL	DESCRIPTION	DATE	CH. NO.	DRAFTS	CHECKER	ENG. APP.	MATERIAL	TYPE & TEMPER	HEAT TREAT. SPEC.	DRAWN	CHECKED	FINAL APPROVAL	
\emptyset	ORIGINAL RELEASE	7-27-64	*	SPL						G. Jones		R	
UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES AND INCLUDE CHEMICALLY APPLIED OR PLATED FINISHES		SCALE	—										
DECIMALS .X \pm .05 .XX \pm .01 .XXX \pm .005	TOLERANCES	FRACTIONS \pm 1/64 ANGLES \pm 0° 30'	CODE A	2A 3448									TZ 165- \emptyset
FINISH & SPEC. NO.		ELEC. DES. APP.		MECH. DES. APP.									

SYMBOL	FUNCTION	OPER. FREQ	USED ON	REQ'D.	REQ. PER UNIT	USED ON			TZ 166	0
						MODEL	ASSY. NO.	DATE		
T645	9MC TANK	9 MC	LFS-1	5	#	SEE CHART	A-	9-23-63		



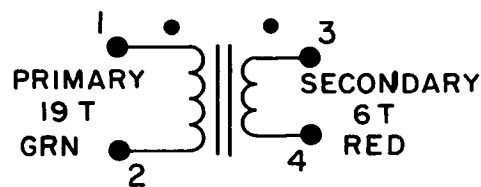
— TRANSFORMER, R.F. FIXED —

WINDING DATA:
 WINDING #1 (PRIMARY)
 NOM. IND - 2.8 μ h
 NO. OF TURNS - 19
 WINDING #2 (SECONDARY)
 NOM. IND. - .7 μ h
 NO. OF TURNS - 6

COIL FORM DATA:
 MATERIAL - POWERED IRON

CASE DATA:
 MATERIAL - POTTED
 COLOR - ORANGE

TERMINAL DATA:
 QUANTITY - 4
 TYPE - STAKED LUGS.

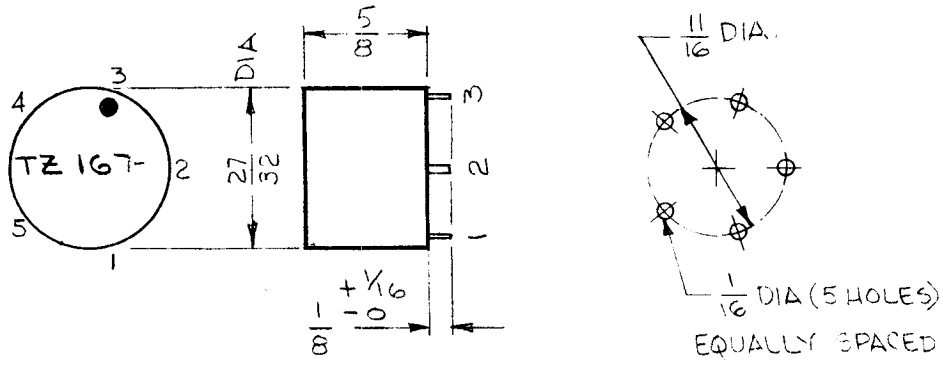


● INDICATES START OF WINDING

— SCHEMATIC DIAGRAM —

								REQ. ITEM	PART NO.	M. GELLMAN	DESCRIPTION	SYMBOL	
								#			THE TECHNICAL MATERIEL CORP. MAMARONECK. NEW YORK		
								SEE SPECS			TRANSFORMER, R.F. FIXED		
0	ORIGINAL RELEASE	7-27-64	-	G.D.L.									
SYM	DESCRIPTION	DATE	CH. NO.	DRAFTS	CHECKER	ENG. APP.	MATERIAL						
	UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES AND INCLUDE CHEMICALLY APPLIED OR PLATED FINISHES	SCALE	DO NOT SCALE					#	#	<i>G. Sencer</i>	@	<i>RJC</i>	
	DECIMALS .X ± .05 .XX ± .01 .XXX ± .005	FRACTIONS ± 1/64 ANGLES ± 0° 30'	CODE	2A 3449				#		<i>[Signature]</i>	<i>[Signature]</i>		
	TOLERANCES						FINISH & SPEC. NO.		ELEC. DES. APP.	MECH. DES. APP.	TZ 166	0	

SYMBOL	FUNCTION	OPER. FREQ.	USED ON	REQ.	REQ. PER UNIT	USED ON			TZ 167	0
						MODEL	ASS'Y. NO.	DATE		
T643	9 MC TANK.	9 MC	LFS-1	5		SEE CHART		10-7-63		
T649	10 MC TANK.	10 MC	LFS-1	5						



MOUNTING
DETAIL

WINDING DATA:

WINDING NO. 1 (PRIMARY)
 NOM. IND. - 4.4 uh
 NO. OF TURNS - 24
 NO. OF TAPS - 1
 NO. OF TURNS TAPPED - DUE TO BIFILAR WINDING

WINDING NO. 2 (SECONDARY)
 NOM. IND. - .7 uh
 NO. OF TURNS - 6

COIL FORM DATA:

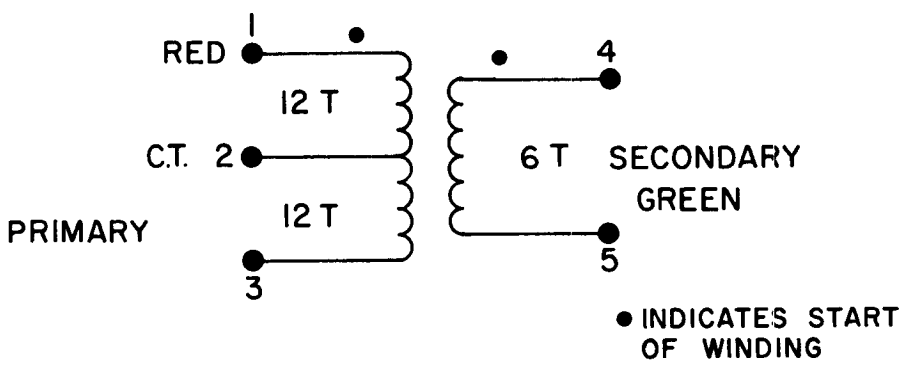
MATERIAL - POWDERED IRON

CASE DATA:

MATERIAL - POTTED
 COLOR - RED

TERMINAL DATA:

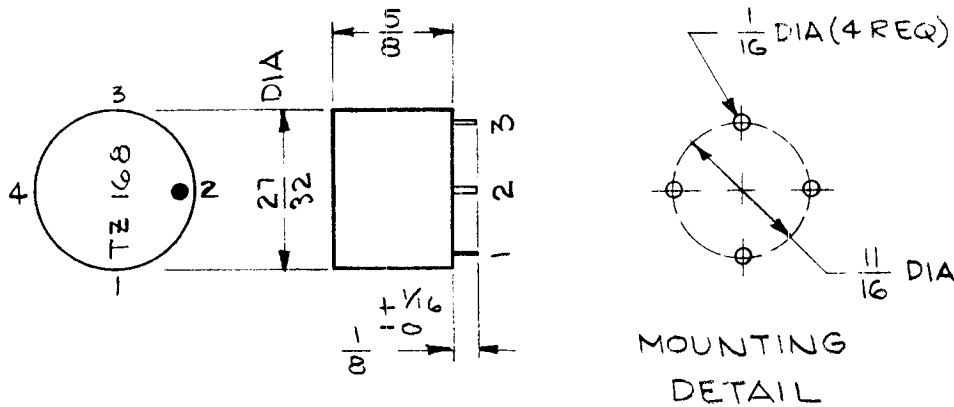
QUANTITY - 5
 TYPE - STAKED LUGS



— SCHEMATIC DIAGRAM —

REQ. ITEM	PART NO.	GELLMAN	DESCRIPTION	SYMBOL
			THE TECHNICAL MATERIEL CORP. MAMARONECK. NEW YORK	
	SEE SPECS.		TRANSFORMER, R.F. FIXED	
RELEASE	7-27-64	#	G.D.L.	
DATE	CH. NO.	DRAFTS	CHECKER	ENG. APP.
SCALE	NONE			
CODE	A 2A 3450			
TYPE & TEMPER	HEAT TREAT. SPEC.	DRAWN	CHECKED	FINAL APPROVAL
FINISH & SPEC. NO.	ELEC. DES. APP.	MECH. DES. APP.	TZ 167 0	

SYMBOL	FUNCTION	OPER. FREQ.	USED ON	REQ	REQ. PER UNIT	USED ON			TZ 168	0
						MODEL	ASS'Y. NO.	DATE		
T648	10 MC AUTO TRANS.	10 MC	LFS-1	5	—	SEE CHART	—	10-4-63		



TRANSFORMER, R. F. FIXED

WINDING DATA:

WINDING NO. 1

NOM. IND. - 1.57 uh

NO. OF TURNS - 15

NO. OF TAPS - 1

NO. OF TURNS TAPPED - 6

COIL FORM DATA:

MATERIAL - POWDERED IRON

CASE DATA:

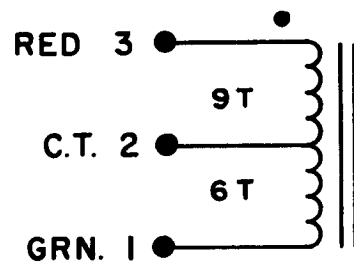
MATERIAL - POTTED

COLOR - RED

TERMINAL DATA:

QUANTITY - 4

TYPE - STAKED LUGS



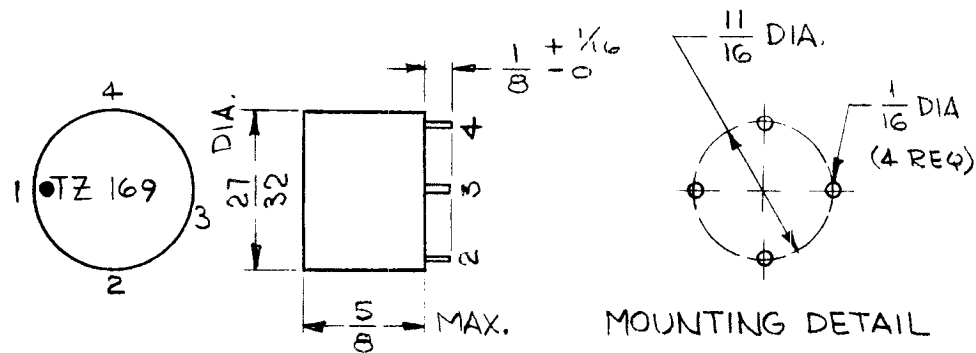
● INDICATES START OF WINDING

— SCHEMATIC DIAGRAM —

REQ.	ITEM	PART NO.	M. GELLMAN	DESCRIPTION	SYMBOL			
				THE TECHNICAL MATERIEL CORP. MAMARONECK. NEW YORK				
		SEE SPECS.		TRANSFORMER, R.F. FIXED				
0	ORIGINAL RELEASE	7-27-64	GDL					
SYM	DESCRIPTION	DATE	CH. NO.	DRAFTS	CHECKER	ENG. APP.		
UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES AND INCLUDE CHEMICALLY APPLIED OR PLATED FINISHES		SCALE DO NOT SCALE						
DECIMALS .X ± .05 .XX ± .01 .XXX ± .005	TOLERANCES	FRACTIONS ± 1/64 ANGLES ± 0° 30'	CODE A	2A 3451				
				TYPE & TEMPER	HEAT TREAT. SPEC.	DRAWN	CHECKED	FINAL APPROVAL
				FINISH & SPEC. NO.	ELEC. DES. APP.	MECH. DES. APP.	TZ 168 0	

SYMBOL	FUNCTION	OPER. FREQ.	USED ON	REQ'D.
T403	8mc TANK,	8 mc	LFS-1	1
T406	10mc TANK,	10 mc	LFS-1	1
T642	8mc TANK,	8 mc	LFS-1	5

REQ. PER UNIT	USED ON			TZ 169	0
	MODEL	ASS'Y. NO.	DATE		
#	SEE CHART		9-23-63		



- TRANSFORMER, R.F. FIXED -

WINDING DATA:

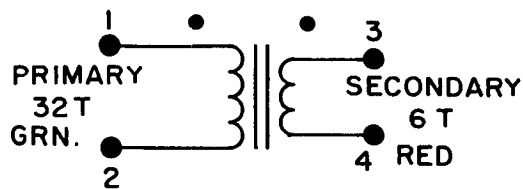
WINDING NO. 1 (PRIMARY)
 NOM. IND. - 7.0 μ h
 NO. OF TURNS - 32

WINDING NO. 2 (SECONDARY)
 NOM. IND. - .7 μ h
 NO. OF TURNS - 6

COIL FORM DATA:
 MATERIAL - POWERED IRON

CASE DATA:
 MATERIAL - POTTED
 COLOR - GREEN

TERMINAL DATA:
 QUANTITY - 4
 TYPE - STAKED LUGS

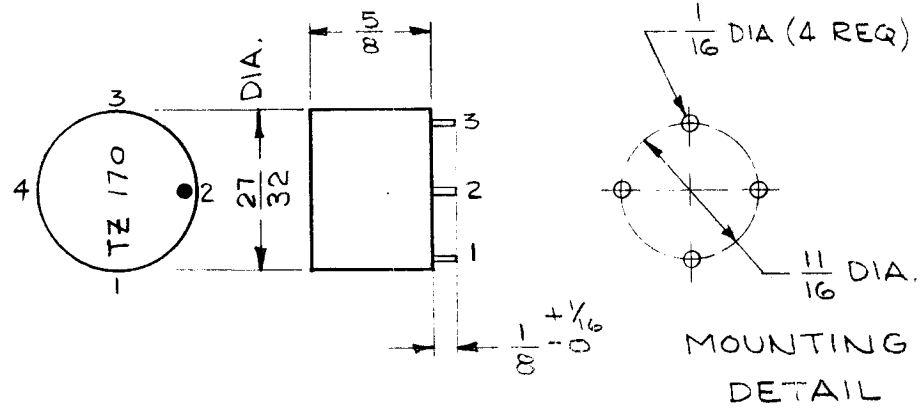


● INDICATES START OF WINDING

— SCHEMATIC DIAGRAM —

REQ.	ITEM	PART NO.	M. GELLMAN DESCRIPTION			SYMBOL
		#	THE TECHNICAL MATERIEL CORP. MAMARONECK, NEW YORK			
		SEE SPECS	TRANSFORMER, R.F. FIXED			
SYM	DESCRIPTION	DATE	CH. NO.	DRAFTS	CHECKER	ENG. APP.
O	ORIGINAL RELEASE	7-27-64	-	6 DL		
UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES AND INCLUDE CHEMICALLY APPLIED OR PLATED FINISHES		SCALE: DO NOT SCALE				
DECIMALS X ± .05 .XX ± .01 .XXX ± .005		TOLERANCES		FRACTIONS ± 1/64 ANGLES ± 0° 30'		CODE A
		2A 3452				
FINISH & SPEC. NO.		ELEC. DES. APP.		MECH. DES. APP.		TZ 169
						0

SYMBOL	FUNCTION	OPER. FREQ.	USED ON	QUAN	REQ. PER UNIT	USED ON			TZ 170	0
						MODEL	ASS'Y. NO.	DATE		
T6 4 4	9MC AUTO TRANS.	9 MC	LFS-1	5	---	SEE CHART	A-3453	10-2-62		



-TRANSFORMER, R.F. FIXED

WINDING DATA:

- WINDING NO. 1
- NOM. IND. - 2.5 uh
- NO. OF TURNS - 19
- NO. OF TAPS - 1
- NO. OF TURNS TAPPED - 7

COIL FORM DATA:

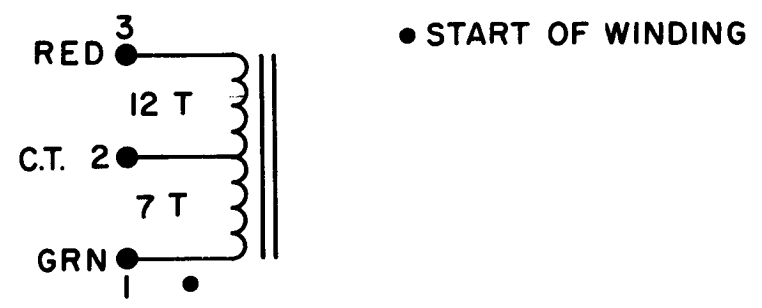
MATERIAL - POWDERED IRON

CASE DATA:

- MATERIAL - POTTED
- COLOR - YELLOW

TERMINAL DATA:

- QUANTITY - 4
- TYPE - STAKED LUGS



— SCHEMATIC DIAGRAM —

REQ.	ITEM	PART NO.	M. GELLMAN	DESCRIPTION	SYMBOL	
				THE TECHNICAL MATERIEL CORP. MAMARONECK. NEW YORK		
		STOCK SIZE		TRANSFORMER, R.F. FIXED		
0	ORIGINAL RELEASE	7-27-62	#	BDL		
SYM	DESCRIPTION	DATE	CH. NO.	DRAFTS	CHECKER	ENG. APP.
UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES AND INCLUDE CHEMICALLY APPLIED OR PLATED FINISHES		SCALE	NONE			
DECIMALS .X ± .05 .XX ± .01 .XXX ± .005	TOLERANCES	FRACTIONS ± 1/64 ANGLES ± 0° 30'	CODE	A 2A 3453		
				TYPE & TEMPER	HEAT TREAT. SPEC.	FINISH & SPEC. NO.
				ELC. DES. APP.	MECH. DES. APP.	
						TZ 170 0

SYMBOL	FUNCTION	OPER. FREQ.	USED ON	REQ
T402	IMC TANK	IMC	LFS-1	1
T405	IMC TANK	IMC	LFS-1	1

REQ. PER UNIT	USED ON		
	MODEL	ASSY. NO.	DATE
1	SEE CHART	A-	10-21-63

TZ 171 0

TRANSFORMER, R.F. FIXED

WINDING DATA:

WINDING NO. 1 (PRIMARY)
 NOM. IND. - .7 uh
 NO. OF TURNS - 6

WINDING NO. 2 (SECONDARY)
 NOM. IND. - 2.85 uh
 NO. OF TURNS - 22
 NO. OF TAPS - 1
 NO. OF TURNS TAPPED - 11

COIL FORM DATA:

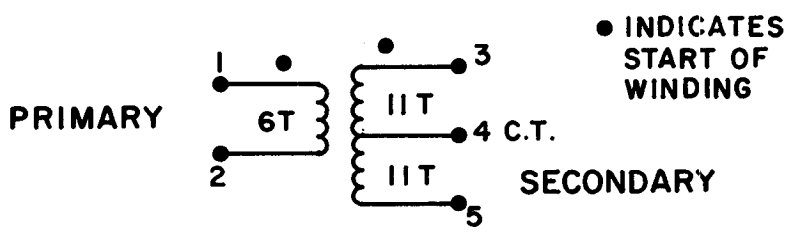
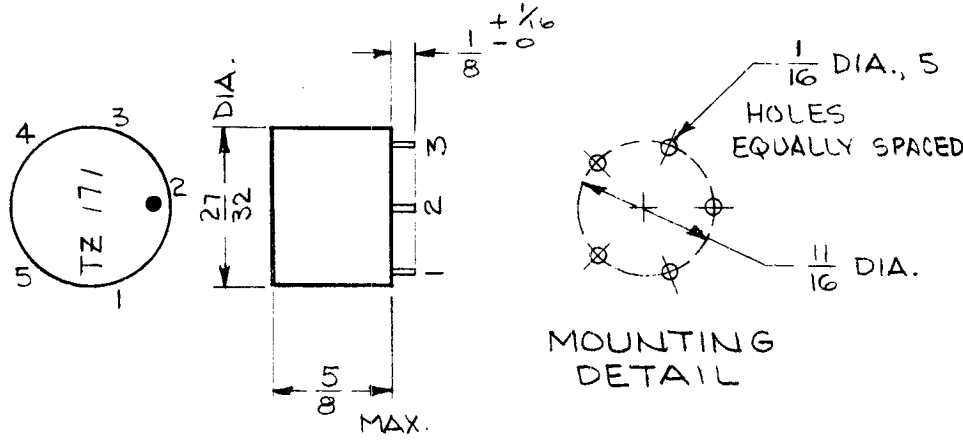
MATERIAL - POWDERED IRON

CASE DATA:

MATERIAL - POTTED
 COLOR - RED

TERMINAL DATA:

QUANTITY - 5
 TYPE - STAKED LUGS



— SCHEMATIC DIAGRAM —

REQ.	ITEM	PART NO.	DESCRIPTION	SYMBOL								
		#	THE TECHNICAL MATERIEL CORP. MAMARONECK, NEW YORK									
		SEE SPECS	TRANSFORMER, RF. FIXED									
0	ORIGINAL RELEASE	7-27-64										
SYMBOL	DESCRIPTION	DATE	CH. NO.	DRAFTS	CHECKER	ENG. APP.	MATERIAL					
UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES AND INCLUDE CHEMICALLY APPLIED OR PLATED FINISHES		SCALE	NONE									
DECIMALS X ± .05 XX ± .01 XXX ± .005	TOLERANCES	FRACTIONS ± 1/64 ANGLES ± 0° 30'	CODE	2A 3454								
							TYPE & TEMPER	HEAT TREAT. SPEC.	DRAWN	CHECKED	FINAL APPROVAL	
									G. Seneo	RL		
											TZ 171 0	
							FINISH & SPEC. NO.		ELEC. DES. APP.	MECH. DES. APP.		

SYMBOL	FUNCTION	OPER. FREQ	USED ON	REQ'D	REQ. PER UNIT	USED ON			TZ-172	B
						MODEL	ASSY. NO.	DATE		
T6004	RING MOD.	250 KC	MCG-1	1	#	SEE CHART		1-2-64		

SPECIFICATIONS

WINDING DATA: #32 WIRE TEST FREQ. 250 Kc

WINDING NO. 1 (PRIMARY)

NOMINAL INDUCTANCE - 2.0 ±20%

NO. OF TURNS - 38T

WINDING NO. 2 (SECONDARY)

NOMINAL INDUCTANCE - 2.0 ±20%

NO. OF TURNS - 38T

COIL FORM DATA:

MATERIAL - FERRITE CUP CORE, BLUE-WHITE

CASE DATA:

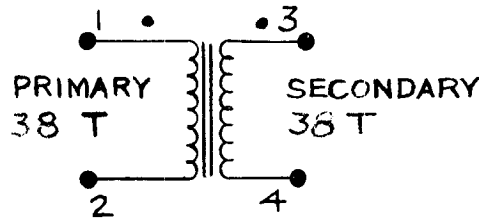
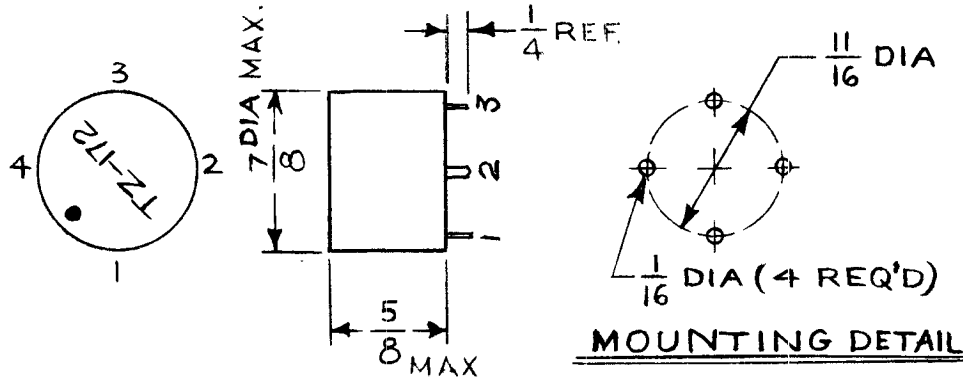
MATERIAL - POTTED

COLOR - BLUE OR BLACK

TERMINAL DATA:

QUANTITY - 4

TYPE - STAKED LUGS



• INDICATE START OF WINDING

SCHEMATIC DIAGRAM

B	MIN. Q30 DEL FROM PRI SEC.	5-17-67	18233	L.A.K.	RHJ	REQ. ITEM	PART NO.	DESCRIPTION	SYMBOL	
A	ADDED MAX TO 5/8 & 7/8 DIMS, 1/4 REF DIM WAS 1/8 ± 1/16	6/15/66	16411	JL	RLB		#	THE TECHNICAL MATERIEL CORP. MAMARONECK, NEW YORK		
Ø	ORIGINAL RELEASE FOR PRODUCTION	6/12/64	D	AM	@		#	TRANSFORMER, R.F. FIXED		
XI	2.0 ± 20% MIN Q30 ADDED (2 PLACES) CASE DATA COLOR BLACK ADDED	6/12/64	#	AM	@		#			
SYM	DESCRIPTION	DATE	CH. NO.	DRAFTS	CHECKER	ENG. APP.	MATERIAL			
UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES AND INCLUDE CHEMICALLY APPLIED OR PLATED FINISHES		SCALE		NONE						
DECIMALS .X ± .05 .XX ± .01 .XXX ± .005		FRACTIONS ± 1/64 ANGLES, ± 0° 30'		CODE	4A-3411					
TOLERANCES		A		TYPE & TEMPER		HEAT TREAT. SPEC.		DRAWN	CHECKED	FINAL APPROVAL
				#		#		R. Peter	@ 6/12/64	RLB
				#		#		726	RLB	TZ-172
				FINISH & SPEC. NO.		ELEC. DES. APP.		MECH. DES. APP.		B

THE CONTENTS OF THIS DRAWING ARE THE EXCLUSIVE PROPERTY OF THE TECHNICAL MATERIEL CORP. ITS UNAUTHORIZED USE OR REPRODUCTION IN WHOLE OR IN PART IS STRICTLY FORBIDDEN.

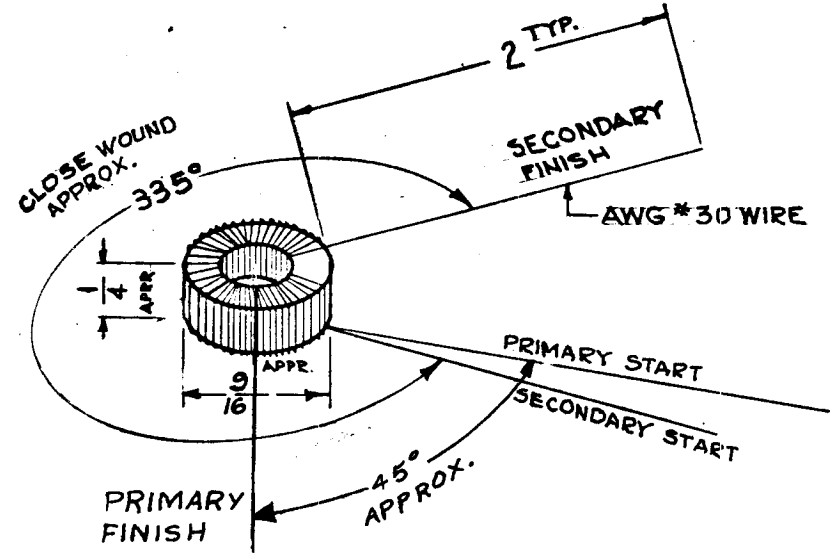
REQ. PER UNIT	USED ON		TZ 175	B
	MODEL	ASS'Y. NO.		
1	HFR-1A		3-6-64	
1	HFR-2		3-6-64	

ELECTRICAL SPECIFICATIONS

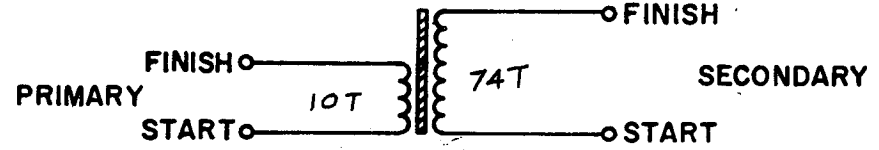
SECONDARY ~ $L = 21.2 \mu h \pm 0.6 \mu h$
 $Q = 130 \text{ MIN. AT } 2.5 \text{ MC.}$
 $C_{\text{dist.}} = 1.3 \mu f. \text{ (FOR REF. ONLY)}$

* NOTE: USE TMC COIL STANDARDS FOR TEST REFERENCE.

MODEL	REQ	FUNCTION	FREQ. (MC.)	SYMBOL
HFR-1A	1	BAND*1	2-3 MC.	T1001
HFR-2	1	BAND*1	2-3 MC	T1001



SCHEMATIC DIAGRAM



B	NOTE ADDED	1-12-67	17575	RME	G.D.L.	MM
A	PRIMARY SPEC. DELETED 4.5" DIA. 1.25" L WAS 26.1	10/1/65	14756	H.V.	G.D.L.	Jr
Q	ORIGINAL RELEASE FOR PRODUCTION	8/3/64	Q	Law		
X	EXPERIMENTAL RELEASE	3-26-61		G.D.L.		
SYM	DESCRIPTION	DATE	CH. NO.	DRAFTS	CHECKER	ENG. APP.

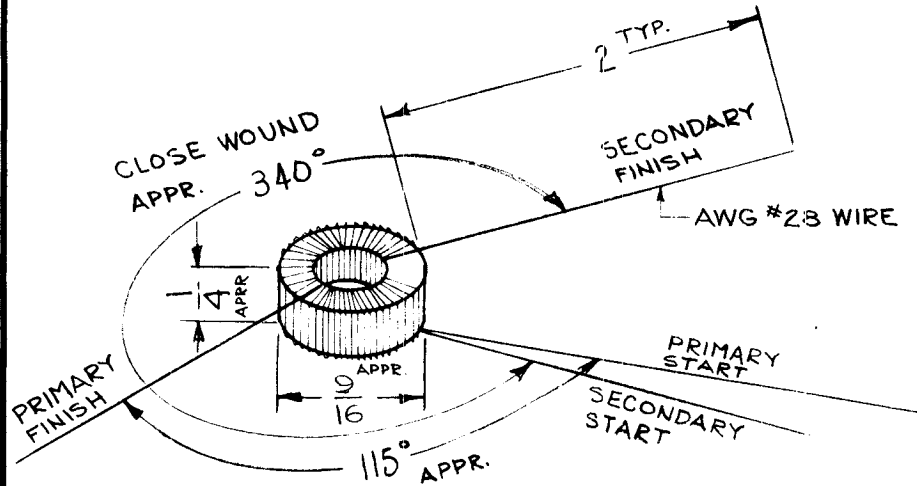
REQ.	ITEM	PART NO.	DESCRIPTION	SYMBOL
			THE TECHNICAL MATERIEL CORP. MAMARONECK, NEW YORK	
			TRANSFORMER, ANTENNA	
			BAND*1 FREQ. 2-3 MC	
			G.D.L.	RJC
			TYPE & TEMPER	HEAT TREAT. SPEC.
			DRAWN	CHECKED
			FINISH & SPEC. NO.	ELEC. DES. APP.
			MECH. DES. APP.	
			TZ 175	B

UNLESS OTHERWISE SPECIFIED:
 DIMENSIONS ARE IN INCHES
 TOLERANCES ON
 FRAC. $\pm 1/64$ DEC. $\pm .003$ ANGLES $\pm 1/2^\circ$

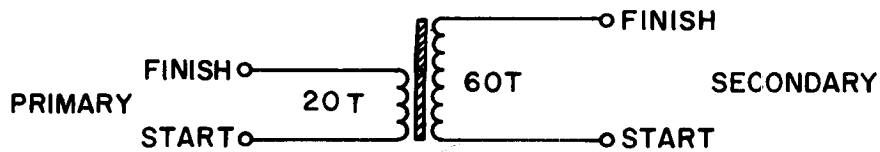
SCALE: NONE | IA 3519
 MAXIMUM ALLOWABLE TOLERANCES HAVE BEEN DETERMINED AND ANY DEVIATIONS WILL BE CAUSE FOR REJECTION.
 REMOVE ALL BURRS AND SHARP EDGES

THE CONTENTS OF THIS DRAWING ARE THE EXCLUSIVE PROPERTY OF THE TECHNICAL MATERIEL CORP. ITS UNAUTHORIZED USE OR REPRODUCTION IN WHOLE OR IN PART IS STRICTLY FORBIDDEN.

REQ. PER UNIT	USED ON			TZ 176	A
	MODEL	ASS'Y. NO.	DATE		
1	HFR-1A		3-6-64		
1	HFR-2		3-6-64		



SCHEMATIC DIAGRAM



ELECTRICAL SPECIFICATIONS

SECONDARY ~ $L = 13.9 \mu h \pm 0.25 \mu h$
 $Q = 160 \text{ MIN. AT } 2.5 \text{ MC}$
 $C_{\text{dist}} = 1.7 \mu f \text{ (FOR REF ONLY)}$

PRIMARY ~ $L = 2.7 \mu h \pm 0.13 \mu h$
 $Q = 50 \text{ MIN AT } 5 \text{ MC.}$
 $C_{\text{dist}} = 5.7 \mu f \text{ (FOR REF. ONLY)}$

MODEL	REQ.	FUNCTION	FREQ. (MC.)	SYMBOL
HFR-1A	1	BAND*2	3-4 MC	T1003
HFR-2	1	BAND#2	3-4 MC	T1003

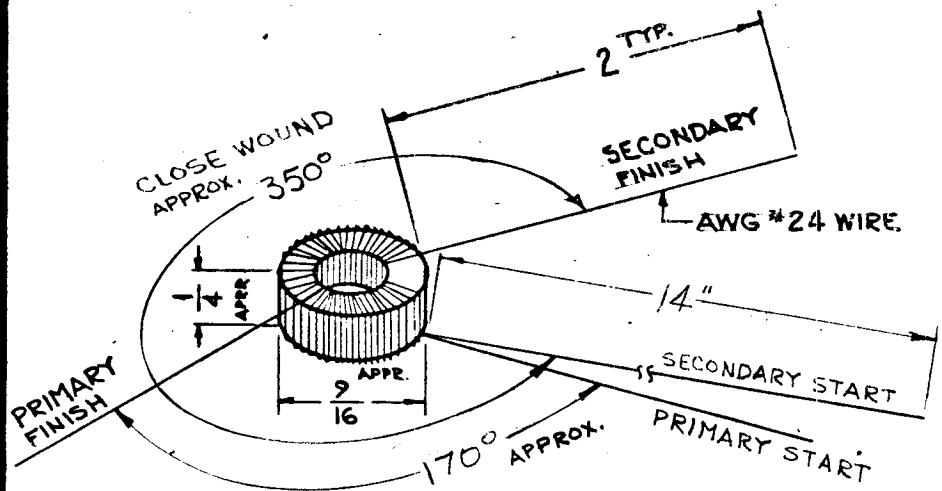
* NOTE: USE TMC COIL STANDARDS FOR TEST REFERENCE.

REQ.	ITEM	PART NO.	ANGER	DESCRIPTION	SYMBOL	
A	NOTE ADDED	1-12-67 17575 RME G.D.L.		THE TECHNICAL MATERIEL CORP. MAMARONECK, NEW YORK		
Q	ORIGINAL RELEASE FOR PRODUCTION	8-13-64		TRANSFORMER, ANTENNA		
X	EXPERIMENTAL RELEASE	3-26-64		BAND 2, FREQ. 3-4 MC		
SYM	DESCRIPTION	DATE	CH. NO.	DRAFTS	CHECKER	ENG. APP.
UNLESS OTHERWISE SPECIFIED:		SCALE: NONE 1A 3522				
DIMENSIONS ARE IN INCHES		MAXIMUM ALLOWABLE TOLERANCES HAVE BEEN DETERMINED AND ANY DEVIATIONS WILL BE CAUSE FOR REJECTION. REMOVE ALL BURRS AND SHARP EDGES				
TOLERANCES ON						
FRAC. $\pm 1/64$ DEC. $\pm .005$ ANGLES $\pm 1/2^\circ$						
		TYPE & TEMPER		HEAT TREAT. SPEC.		
		FINISH & SPEC. NO.		DRAWN		CHECKED
				G.D.L.		FINAL APPROVAL
				ANGER		TZ 176
				ELEC. DES. APP.		A

THE CONTENTS OF THIS DRAWING ARE THE EXCLUSIVE PROPERTY OF THE TECHNICAL MATERIEL CORP. ITS UNAUTHORIZED USE OR REPRODUCTION IN WHOLE OR IN PART IS STRICTLY FORBIDDEN.

REQ. PER UNIT	USED ON		
	MODEL	ASSY. NO.	DATE
1	HFR-1A		3-9-64
1	HFR-2		3-9-64

TZ 177 B



ELECTRICAL SPECIFICATIONS

SECONDARY ~ $L = 6.07 \mu h \pm 0.15 \mu h$
 WITH COIL CLAMPED INTO Q METER $1/2''$ AWAY FROM TERMINALS,
 WITH START END OF COIL TO LOW SIDE.

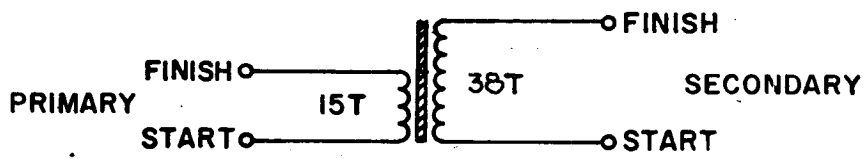
$Q = 210$ MIN AT 7.0 MC.
 $C_{dist.} = 1.6 \mu f$ (FOR REF. ONLY)

PRIMARY ~ $L = 1.36 \mu h \pm 0.07 \mu h$
 $Q = 60$ MIN. AT 7.0 MC
 $C_{dist.} = 6.7 \mu f$ (FOR REF. ONLY)

MODEL	REQ	FUNCTION	FREQ (MC)	SYMBOL
HFR-1A	1	BAND #3	4-6 MC	T1004
HFR-2	1	BAND #3	4-6 MC	T1004

* NOTE: USE TMC COIL STANDARDS FOR TEST REFERENCE.

SCHEMATIC DIAGRAM



SYM	DESCRIPTION	DATE	CH. NO.	DRAFTS	CHECKER	ENG. APP.
B	NOTE ADDED	1-12-67	17575	RME	G.D.L.	MM
A	SEC "Q" WAS 215, PRI "Q" WAS 65	11-21-66	17299	RME	W.S.	
Q	ORIGINAL RELEASE FOR PRODUCTION	8-13-64				
X	EXPERIMENTAL RELEASE	3-26-64				

REQ.	ITEM	PART NO.	DESCRIPTION	SYMBOL
			THE TECHNICAL MATERIEL CORP. MAMARONECK, NEW YORK	
			TRANSFORMER, ANTENNA	
			BAND 3, FREQ. 4-6 MC	
			G.D.L.	@
			J. J. J.	
			TZ 177	B

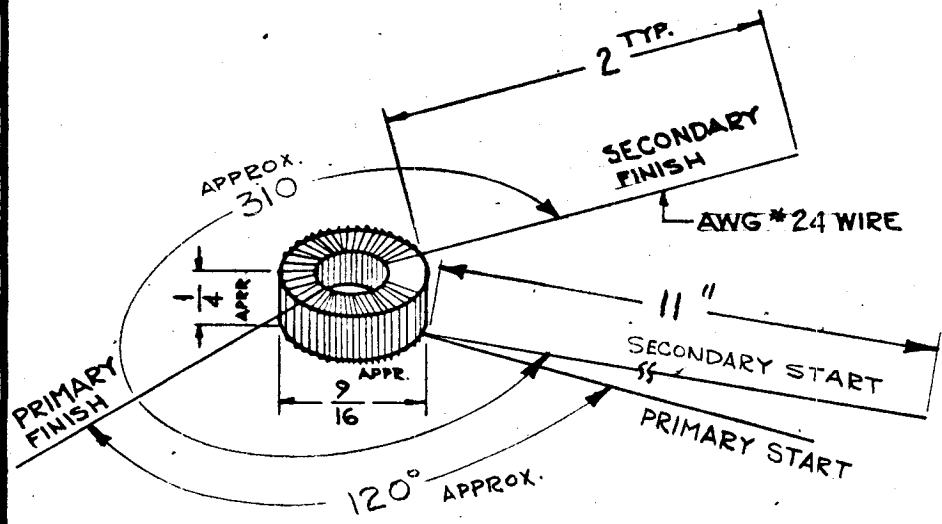
UNLESS OTHERWISE SPECIFIED:
 DIMENSIONS ARE IN INCHES
 TOLERANCES ON
 FRAC. $\pm 1/64$ DEC. $\pm .003$ ANGLES $\pm 1/2^\circ$

SCALE: NONE IA 3525
 MAXIMUM ALLOWABLE TOLERANCES HAVE BEEN DETERMINED AND ANY DEVIATIONS WILL BE CAUSE FOR REJECTION.
 REMOVE ALL BURRS AND SHARP EDGES

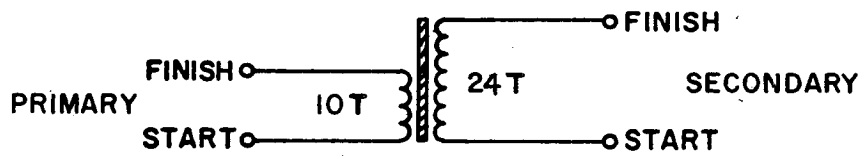
THE CONTENTS OF THIS DRAWING ARE THE EXCLUSIVE PROPERTY OF THE TECHNICAL MATERIEL CORP. ITS UNAUTHORIZED USE OR REPRODUCTION IN WHOLE OR IN PART IS STRICTLY FORBIDDEN.

REQ. PER UNIT	USED ON		
	MODEL	ASSY. NO.	DATE
1	HFR-1A		3-10-64
1	HFR-2		3-10-64

TZ 178 A



SCHEMATIC DIAGRAM



ELECTRICAL SPECIFICATIONS

SECONDARY ~ $L = 2.64 \mu h \pm 0.07 \mu h$
 WITH COIL CLAMPED INTO Q-METER 1/2" AWAY FROM TERMINALS, WITH START END OF COIL TO LOW SIDE.
 $Q = 200$ MIN. AT 7.9 MC
 $C \text{ DISTRIB} = 0.8 \mu f$ (FOR REF ONLY)

PRIMARY ~ $L = 0.77 \mu h \pm 0.04 \mu f$
 $C \text{ DISTRIB} = 2.1 \mu f$ (FOR REF ONLY)
 $Q = 85$ MIN AT 10 MC

* NOTE: USE TMC COIL STANDARDS FOR TEST REFERENCE.

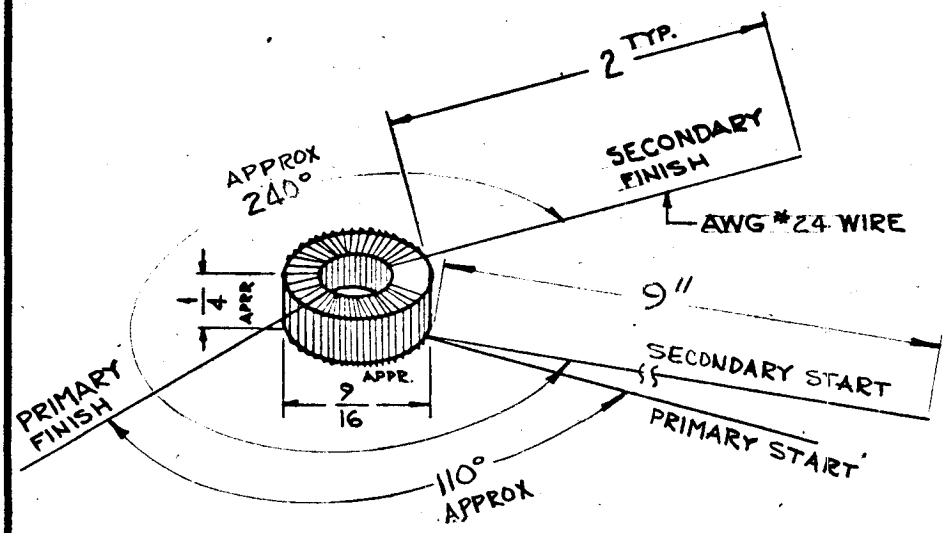
MODEL	REQ	FUNCTION	FREQ (MC)	SYMBOL
HFR-1A	1	BAND #4	6-8 MC	T1005
HFR-2	1	BAND #4	6-8 MC	T1005

SYM	DESCRIPTION	DATE	CH. NO.	DRAFTS	CHECKED	ENG. APP.	REQ. ITEM	PART NO.	DESCRIPTION	SYMBOL	
A	NOTE ADDED	1-12-67	17575	RME	G.D.L.	<i>[Signature]</i>			THE TECHNICAL MATERIEL CORP. MAMARONECK, NEW YORK	TRANSFORMER, ANTENNA BAND 4, FREQ. 6-8 MC	
Q	ORIGINAL RELEASE FOR PRODUCTION	8-13-64	Q	<i>[Signature]</i>							
X	EXPERIMENTAL RELEASE	3-26-64		<i>[Signature]</i>							
	UNLESS OTHERWISE SPECIFIED:	SCALE: NONE IA 3530									
DIMENSIONS ARE IN INCHES		MAXIMUM ALLOWABLE TOLERANCES HAVE BEEN DETERMINED AND ANY DEVIATIONS WILL BE CAUSE FOR REJECTION. REMOVE ALL BURRS AND SHARP EDGES									
TOLERANCES ON											
FRAC. $\pm 1/64$ DEC. $\pm .005$ ANGLES $\pm 1/20$											
							TYPE & TEMPER	HEAT TREAT. SPEC.	DRAWN	CHECKED	FINAL APPROVAL
									<i>[Signature]</i>		
							FINISH & SPEC. NO.		ELEC. DES. APP.	MECH. DES. APP.	
											TZ 178 A

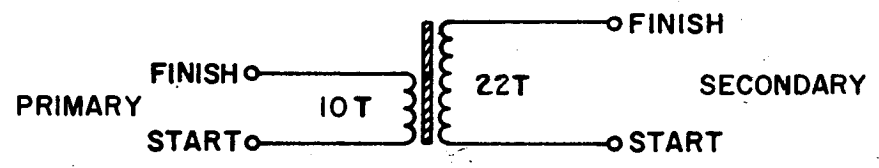
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REQ. PER UNIT	USED ON		
	MODEL	ASS'Y. NO.	DATE
1	HFR-1A		3-12-64
1	HFR-2		3-12-64

TZ 179 A



SCHMATIC DIAGRAM



ELECTRICAL SPECIFICATIONS

SECONDARY ~ $L = 2.32 \mu h \pm 0.05 \mu h$
 WITH COIL CLAMPED INTO Q-METER 1/2" AWAY FROM TERMINALS, WITH START END OF COIL TO LOW SIDE.
 $Q = 180 \text{ MIN AT } 7.9 \text{ MC}$
 $C \text{ DISTRIB} = 0.8 \mu mf \text{ (FOR REF ONLY)}$

PRIMARY ~ $L = 0.79 \mu h \pm 0.04 \mu$
 $Q = 75 \text{ MIN. AT } 9.5 \text{ MC}$
 $C \text{ dist.} = 2 \mu mf \text{ (FOR REF ONLY)}$

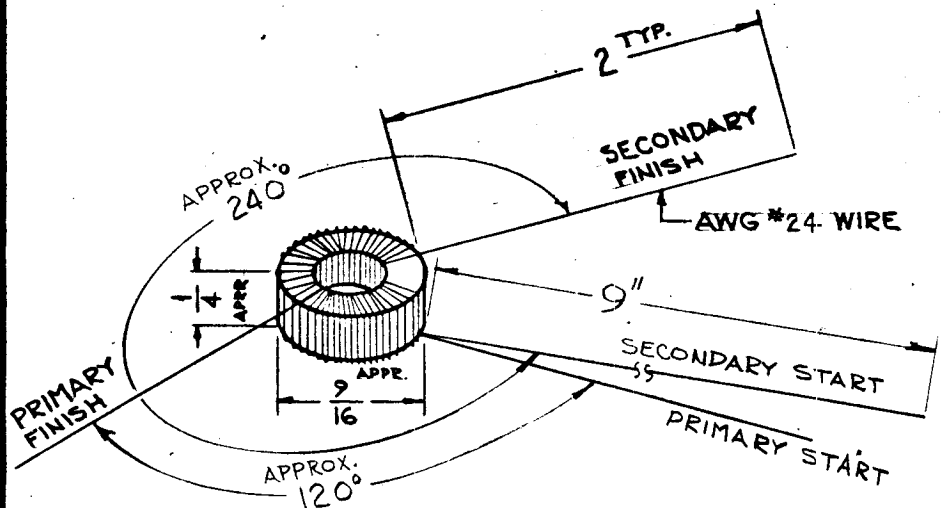
MODEL	REQ	FUNCTION	FREQ (MC)	SYMBOL
HFR-1A	1	BAND #5	8-12 MC	T1006
HFR-2	1	BAND #5	8-12 MC	T1006

SYM	DESCRIPTION	DATE	CH. NO.	DRAFTS	CHECKER	ENG. APP.	REQ. ITEM	PART NO.	DESCRIPTION	SYMBOL		
A	ON ELECT. SPECS. NOTE PRIMARY ADDED - Q=75 WAS Q=85	4-10-67	18095						THE TECHNICAL MATERIEL CORP. MAMARONECK, NEW YORK TRANSFORMER, ANTENNA BAND 5, FREQ. 8-12 MC.			
Ø	ORIGINAL RELEASE FOR PRODUCTION	8-13-64						STOCK SIZE				
X	EXPERIMENTAL RELEASE	3-30-64						MATERIAL				
UNLESS OTHERWISE SPECIFIED: DIMENSIONS ARE IN INCHES TOLERANCES ON FRAC. ± 1/64 DEC. ± .005 ANGLES ± 1/2°		SCALE: NONE		IA 3536								
		MAXIMUM ALLOWABLE TOLERANCES HAVE BEEN DETERMINED AND ANY DEVIATIONS WILL BE CAUSE FOR REJECTION. REMOVE ALL BURRS AND SHARP EDGES										
								TYPE & TEMPER	HEATTREAT. SPEC.	DRAWN	CHECKED	FINAL APPROVAL
								FINISH & SPEC. NO.	ELEC. DES. APP.	MECH. DES. APP.	TZ 179 A	

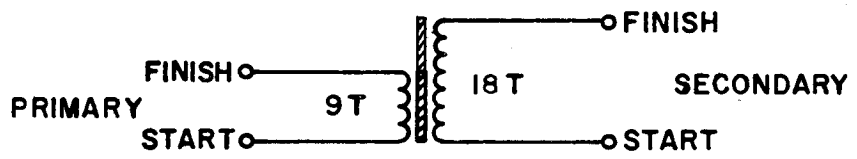
THE CONTENTS OF THIS DRAWING ARE THE EXCLUSIVE PROPERTY OF THE TECHNICAL MATERIEL CORP. ITS UNAUTHORIZED USE OR REPRODUCTION IN WHOLE OR IN PART IS STRICTLY FORBIDDEN.

REQ. PER UNIT	USED ON		
	MODEL	ASS'Y. NO.	DATE
1	HFR-1A		3-16-64
1	HFR-2		3-16-64

TZ 180 A



SCHMATIC DIAGRAM



ELECTRICAL SPECIFICATIONS

SECONDARY- $L = 1.45 \mu h \pm 0.05 \mu h$
 WITH COIL CLAMPED INTO Q-METER 1/2" AWAY FROM TERMINALS,
 WITH START END OF COIL TO LOW SIDE.

$Q = 190$ MIN. AT 12 MC
 $C_{dist} = 0.9 \mu f$ (FOR REF. ONLY)

PRIMARY- $L = 0.58 \mu h \pm 0.03 \mu h$

$Q = 90$ MIN. AT 12 MC
 $C_{dist} = 1.5 \mu f$ (FOR REF. ONLY)

* NOTE: USE TMC COIL STANDARDS FOR TEST REFERENCE.

MODEL	REQ	FUNCTION	FREQ(MC)	SYMBOL
HFR-1A	1	BAND*G.	12-16 MC	T1007
HFR-2	1	BAND*G	12-16 MC	T1007

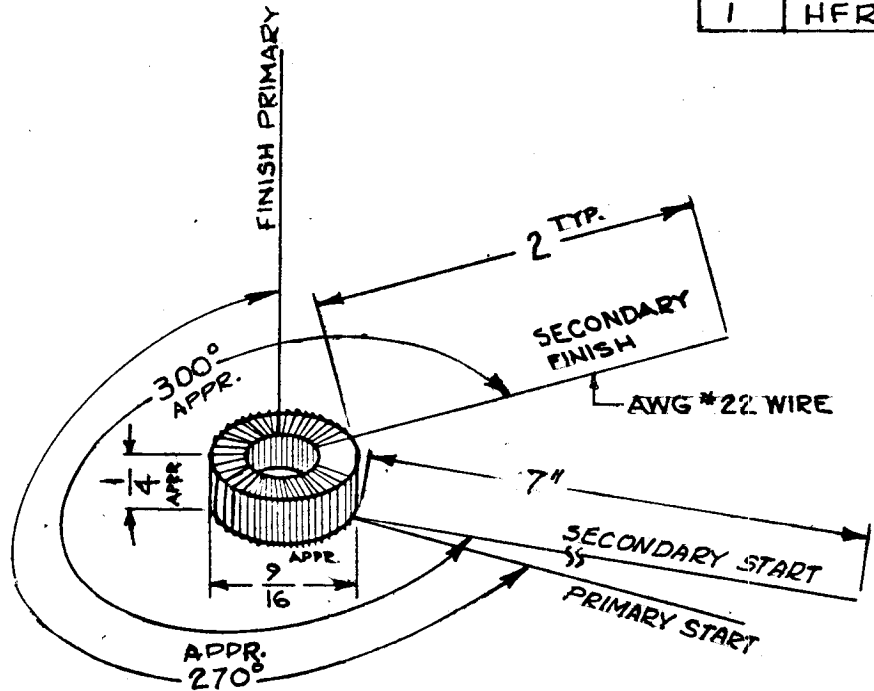
SYM	DESCRIPTION	DATE	CH. NO.	DRAFTS	CHECKER	ENG. APP.	REQ. ITEM	PART NO.	ANGER	DESCRIPTION	SYMBOL
A	NOTE ADDED	1-12-67	17575	RME	G.D.L.	_____	---	---	ANGER	DESCRIPTION	SYMBOL
Q	ORIGINAL RELEASE FOR PRODUCTION	8-13-64					STOCK SIZE			THE TECHNICAL MATERIEL CORP. MAMARONECK, NEW YORK	
X	EXPERIMENTAL RELEASE	3-30-64					MATERIAL			TRANSFORMER, ANTENNA BAND G, FREQ. 12-16 MC.	
UNLESS OTHERWISE SPECIFIED: DIMENSIONS ARE IN INCHES TOLERANCES ON FRAC. $\pm 1/64$ DEC. $\pm .005$ ANGLES $\pm 1/2^\circ$		SCALE: NONE		IA 3550			TYPE & TEMPER	HEAT TREAT. SPEC.	DRAWN	CHECKED	FINAL APPROVAL
		MAXIMUM ALLOWABLE TOLERANCES HAVE BEEN DETERMINED AND ANY DEVIATIONS WILL BE CAUSE FOR REJECTION. REMOVE ALL BURRS AND SHARP EDGES							G.D.L.		RDL

							FINISH & SPEC. NO.		J. Anger		
											TZ 180 A

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REQ. PER UNIT	USED ON		
	MODEL	ASS'Y. NO.	DATE
1	HFR-1A		3-18-64
1	HFR-2		3-18-64

TZ 181 B



ELECTRICAL SPECIFICATIONS

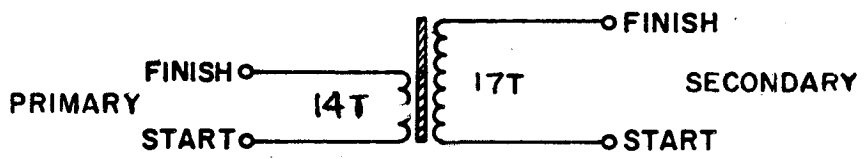
SECONDARY~ $L = 1.28 \mu h \pm 0.02 \mu h$
 WITH COIL CLAMPED INTO Q-METER $1/2''$ AWAY FROM
 TERMINALS, WITH START END OF COIL TO LOW SIDE
 $Q = 190$ MIN AT 16 MC
 $C_{dist.} = 0.8 \mu f$ (FOR REF ONLY)

PRIMARY~ $L = 0.92 \mu h \pm 0.05 \mu h$
 $Q = 120$ MIN AT 18 MC
 $C_{dist.} = 1.2 \mu f$ (FOR REF ONLY)

* NOTE: USE TMC COIL STANDARDS FOR TEST REFERENCE.

MODEL	REQ	FUNCTION	FREQ (MC)	SYMBOL
HFR-1A	1	BAND #7	16-24 MC	T100B
HFR-2	1	BAND #7	16-24 MC	T100B

SCHMATIC DIAGRAM



SYM	DESCRIPTION	DATE	CH. NO.	DRAFTS	CHECKER	ENG. APP.
B	NOTE ADDED	1-12-67	17575	RME	G.D.L.	
A	PRIMARY-Q WAS 160	6-17-66	16416			
Q	ORIGINAL RELEASE FOR PRODUCTION	8-13-64				
X	EXPERIMENTAL RELEASE	3-30-64				

REQ.	ITEM	PART NO.	DESCRIPTION	SYMBOL
			THE TECHNICAL MATERIEL CORP. MAMARONECK, NEW YORK	
			TRANSFORMER, ANTENNA	
			BAND #7, FREQ. 16-24 MC.	
			G.D.L.	
			DRAWN	CHECKED
				FINAL APPROVAL
			FINISH & SPEC. NO.	
			ELEC. DES. APP.	MECH. DES. APP.

UNLESS OTHERWISE SPECIFIED:
 DIMENSIONS ARE IN INCHES
 TOLERANCES ON
 FRAC. $\pm 1/64$ DEC. $\pm .005$ ANGLES $\pm 1/2^\circ$

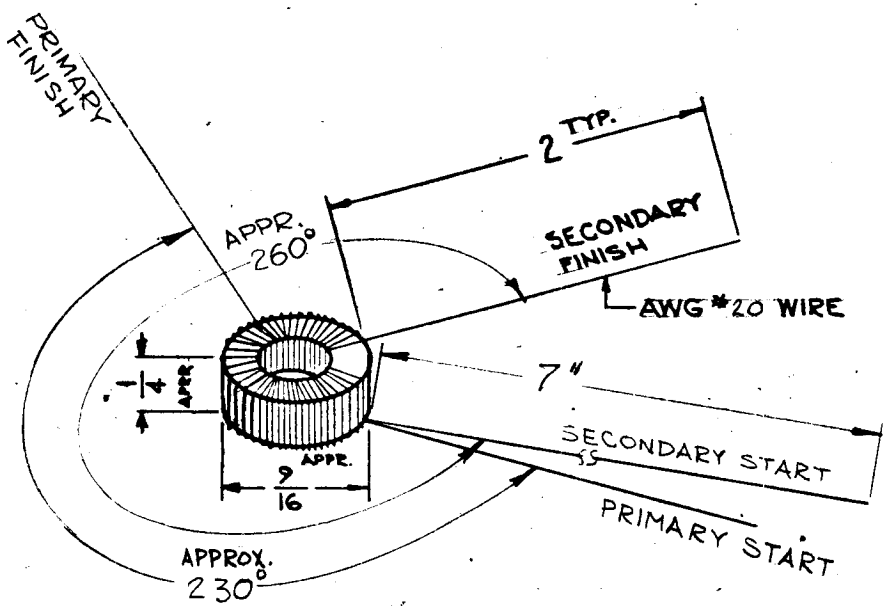
SCALE: NONE 1A3554
 MAXIMUM ALLOWABLE TOLERANCES HAVE BEEN DETERMINED AND ANY DEVIATIONS WILL BE CAUSE FOR REJECTION.
 REMOVE ALL BURRS AND SHARP EDGES

TZ 181 B

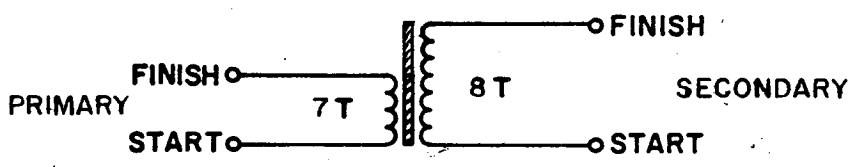
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REQ. PER UNIT	USED ON		
	MODEL	ASS'Y. NO.	DATE
1	HFR-1A		3-23-64
1	HFR-2		3-23-64

TZ 182 A



SCHEMATIC DIAGRAM



ELECTRICAL SPECIFICATIONS

SECONDARY ~ $L = 0.32 \mu h \pm 0.01$
 WITH COIL CLAMPED INTO Q-METER 1/2" AWAY FROM TERMINALS
 WITH START END OF COIL TO LOW SIDE
 $Q = 150 \text{ MIN. AT } 25 \text{ MC}$
 $C_{\text{distrib.}} = 0.8 \mu f (\text{FOR REF. ONLY})$

PRIMARY - $L = 0.294 \mu h \pm 0.015 \mu h$
 $Q = 125 \text{ MIN. AT } 25 \text{ MC}$
 $C_{\text{distrib.}} = 0.7 \mu f (\text{FOR REF ONLY})$

* NOTE: USE TMC COIL STANDARDS FOR TEST REFERENCE.

MODEL	REQ	FUNCTION	FREQ (MC)	SYMBOL
HFR-1A	1	BAND #8	24-32 MC	T1009
HFR-2	1	BAND #8	24-32 MC	T1009

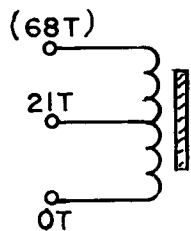
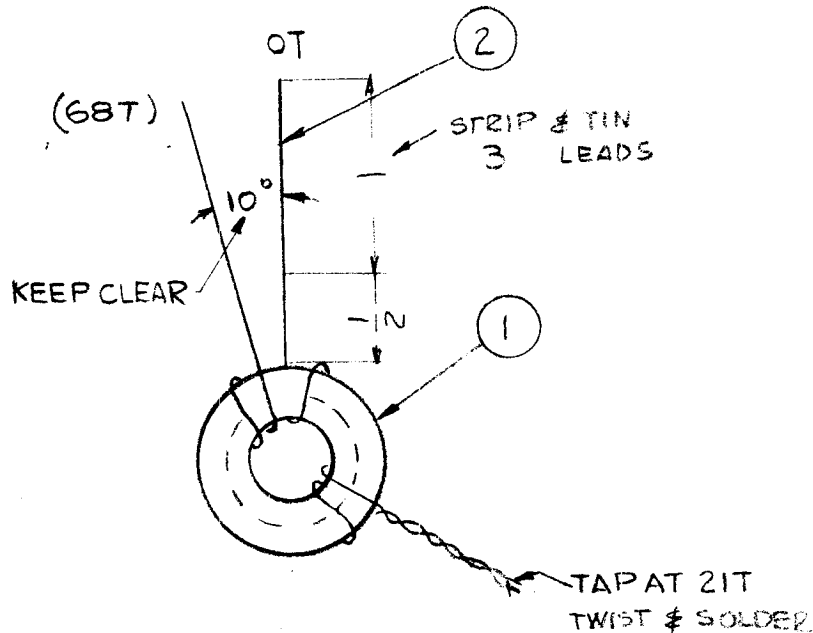
SYM	DESCRIPTION	DATE	CH. NO.	DRAFTS	CHECKER	ENG. APP.
A	NOTE ADDED	1-12-67	17575	RME	G.D.L.	<i>[Signature]</i>
Q	ORIGINAL RELEASE FOR PRODUCTION	8-13-64				
X	EXPERIMENTAL RELEASE	3-30-64				

UNLESS OTHERWISE SPECIFIED:
 DIMENSIONS ARE IN INCHES
 TOLERANCES ON
 FRAC. $\pm 1/64$ DEC. $\pm .005$ ANGLES $\pm 1/2^\circ$

SCALE: NONE 1A3566
 MAXIMUM ALLOWABLE TOLERANCES HAVE BEEN DETERMINED AND ANY DEVIATIONS WILL BE CAUSE FOR REJECTION.
 REMOVE ALL BURRS AND SHARP EDGES

REQ.	ITEM	PART NO.	ANGER	DESCRIPTION	SYMBOL
				THE TECHNICAL MATERIEL CORP. MAMARONECK, NEW YORK	
				TRANSFORMER, ANTENNA	
				BAND 8, FREQ. 24-32 MC	
				G.D.L.	
				TYPE & TEMPER	
				HEAT TREAT. SPEC.	
				DRAWN	
				CHECKED	
				FINAL APPROVAL	
				<i>[Signature]</i>	
				FINISH & SPEC. NO.	
				ELEC. DES. APP.	
				MECH. DES. APP.	

TZ 182 A



SCHMATIC (SYMBOL T1003)

REQ. PER UNIT	USED ON			TZ 184 \emptyset
	MODEL	ASSY. NO.	DATE	
1	CHG-3	AX 548	2-16-65	

PROCEDURE

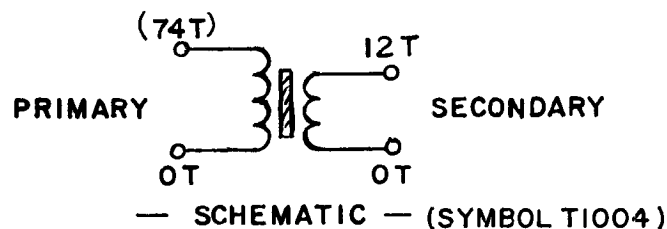
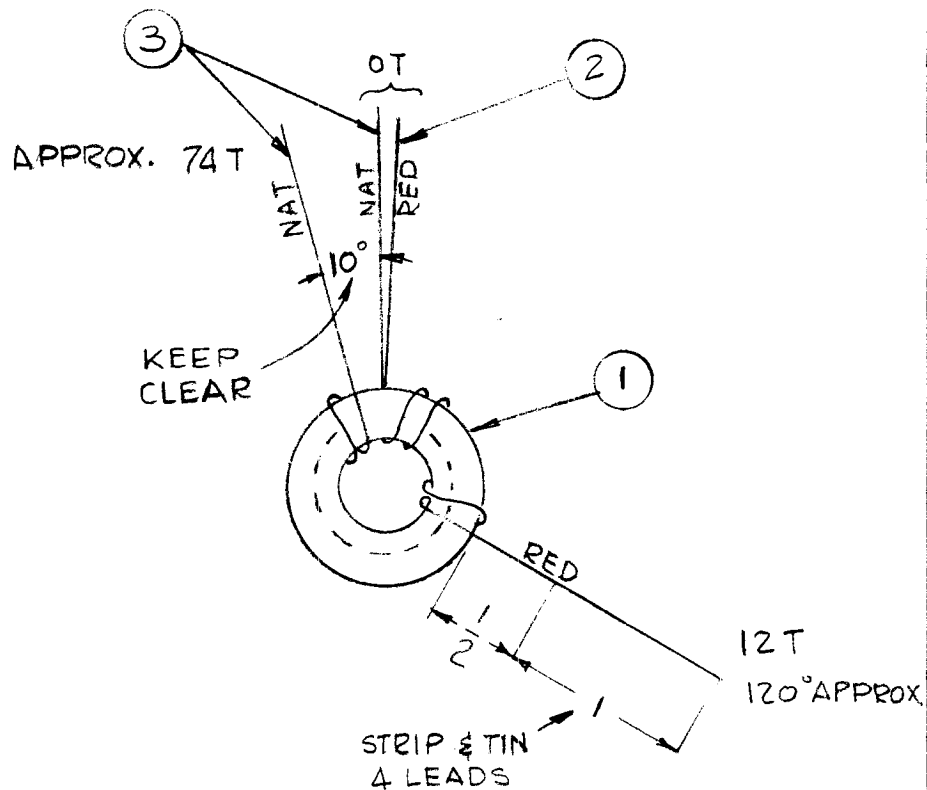
- 1 - WIND APPROX. 68 TURNS IN THE DIRECTION SHOWN EQUALLY SPACED OVER THE ANGLE SHOWN WITHOUT OVERLAPPING TURNS.
- 2 - TAP AT THE NUMBER OF TURNS AS SHOWN
- 3 - TURNS MAY BE ADDED OR REMOVED AS NEEDED TO MEET INDUCTANCE.
- 4 - STAKE LEADS SECURELY WITH Q-MAX
- 5 - BAKE FOR 1/2 HR. AT 215° F. TO REMOVE MOISTURE
- 6 - COAT COIL & CORE WITH Q-MAX & BAKE 1/2 HR AT 215° F

- ELEC. SPECIFICATION -
 $L = 20.4 \mu h \pm 0.5 \mu h$
 $Q = 175 \pm 20$ AT 2.5 MC
 $D_{dist} = 1.0 MMF \pm 0.5 MMF$

X	4	BS100	SOLDER, TIN ALLOY
X	3	GL102	Q-MAX
X	2	WI141-30-9	WIRE, ELEC. MAG.
1	1	CI127-1	CORE, TOROID

\emptyset	ORIGINAL RELEASE FOR PRODUCTION	4-14-65	\emptyset	<i>R.F.</i>			
X ₁	COMPLETELY REVISED	3-15-65		GDL	<i>[Signature]</i>	<i>J</i>	
X	EXPER. RELEASE	2-26-65		GDL			
SYM	DESCRIPTION	DATE	CH. NO.	DRAFTS	CHECKER	ENG. APP.	
UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES AND INCLUDE CHEMICALLY APPLIED OR PLATED FINISHES		SCALE DO NOT SCALE					
DECIMALS .X \pm .05 .XX \pm .01 .XXX \pm .005	TOLERANCES	FRACTIONS \pm 1/64 ANGLES \pm 0° 30'	CODE A				

REQ. ITEM	PART NO.	J. ANGER	DESCRIPTION	SYMBOL
STOCK SIZE		THE TECHNICAL MATERIEL CORP. MAMARONECK, NEW YORK		
MATERIAL		TRANSFORMER, RF DRIVER BAND #1		
TYPE & TEMPER	HEAT TREAT. SPEC.	DRAWN	CHECKED	FINAL APPROVAL
		G.D.L. ²⁻¹⁶⁻⁶⁵ <i>Jc</i>	<i>[Signature]</i>	<i>[Signature]</i>
FINISH & SPEC. NO.		ELEC. DES. APP.	MECH. DES. APP.	
		<i>[Signature]</i>		TZ 184 \emptyset



REQ. PER UNIT	USED ON			TZ 185 \emptyset
	MODEL	ASSY. NO.	DATE	
1	CHG-3	AX 548	2-16-65	

- PROCEDURE -

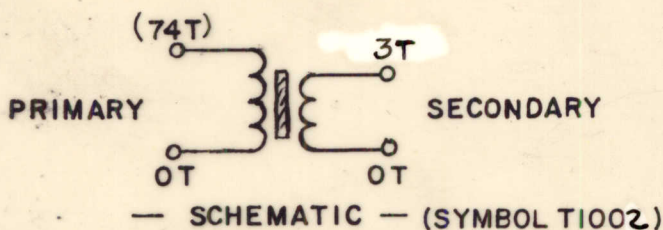
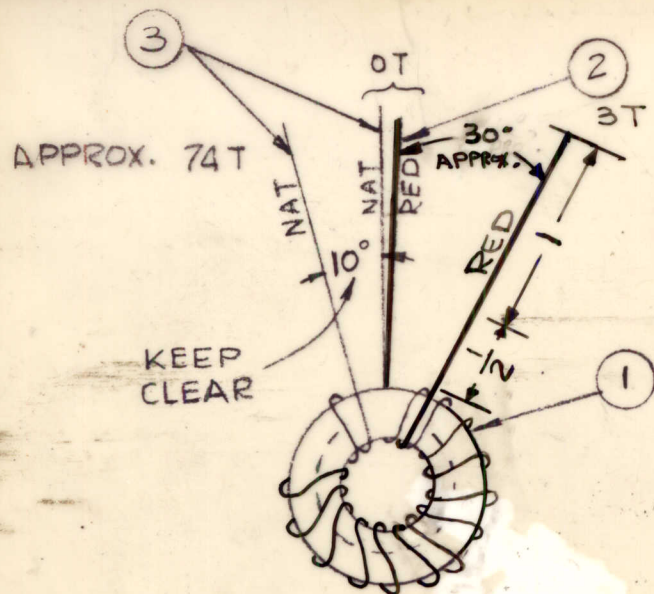
- 1- WIND PRIMARY IN THE DIRECTION SHOWN EQUALLY SPACED OVER THE ANGLE SHOWN WITHOUT OVERLAPPING TURNS.
- 2- WIND SECONDARY OVER (ON TOP OF) PRIMARY AS SHOWN. NUMBER OF TURNS AS SHOWN
- 3- NUMBER OF TURNS OF PRIMARY IS APPROX. AND TURNS MAY BE ADDED OR REMOVED TO MEET INDUCTANCE
- 4- STAKE LEADS SECURELY WITH Q-MAX
- 5- BAKE FOR 1/2HR. AT 215°F. TO REMOVE MOISTURE
- 6- COAT COIL & CORE WITH Q-MAX & BAKE 1/2HR. AT 215°F.

- ELEC. SPECIFICATION -

PRI. $L = 20.4 \mu h \pm 0.5 \mu h$
 $Q = 177 \pm 20$ AT 2.5 Mc
 $C_{dist} = 1.2 \text{ MMF} \pm 0.6 \text{ MMF}$

X	4	GL 102	Q-MAX
X	3	WI 141-30-9	WIRE, ELEC. MAG.
X	2	WI 141-26-2	WIRE, ELEC. MAG.
1	1	CI 127-1	CORE, TOROID

SYM	DESCRIPTION	DATE	CH. NO.	DRAFTS	CHECKER	ENG. APP.	REQ. ITEM	PART NO.	J. ANGER DESCRIPTION	SYMBOL							
\emptyset	ORIGINAL RELEASE FOR PRODUCTION	4/14/65			JL				THE TECHNICAL MATERIEL CORP. MAMARONECK, NEW YORK TRANSFORMER, RF OUTPUT BAND #1								
X1	COMPLETELY REVISED	3/15/65			G.D.L.			STOCK SIZE									
X	EXPER. RELEASE	2-26-65			G.D.L.			MATERIAL									
UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES AND INCLUDE CHEMICALLY APPLIED OR PLATED FINISHES		SCALE		DO NOT SCALE													
DECIMALS .X \pm .05 .XX \pm .01 .XXX \pm .005		FRACTIONS \pm 1/64 ANGLES \pm 0° 30'		CODE A				TYPE & TEMPER		HEAT TREAT. SPEC.		DRAWN		CHECKED		FINAL APPROVAL	
								G.D.L. 2-16-65		JL		JL		TZ 185 \emptyset			
								FINISH & SPEC. NO.		ELEC. DES. APP.		MECH. DES. APP.					



REQ. PER UNIT	USED ON			TZ186 B
	MODEL	ASS'Y. NO.	DATE	
1	CHG-3	AX548	8-18-65	

- PROCEDURE -

- 1- WIND PRIMARY IN THE DIRECTION SHOWN EQUALLY SPACED OVER THE ANGLE SHOWN WITHOUT OVERLAPPING TURNS.
- 2- WIND SECONDARY OVER (ON TOP OF) PRIMARY AS SHOWN. NUMBER OF TURNS AS SHOWN
- 3- NUMBER OF TURNS OF PRIMARY IS APPROX. AND TURNS MAY BE ADDED OR REMOVED TO MEET INDUCTANCE
- 4- STAKE LEADS SECURELY WITH Q-MAX
- 5- BAKE FOR 1/2HR. AT 215°F. TO REMOVE MOISTURE
- 6- COAT COIL & CORE WITH Q-MAX & BAKE 1/2HR. AT 215°F.

- ELEC. SPECIFICATION -

PRI. $L = 20.4 \mu h \pm 0.5 \mu h$
 $Q = 177 \pm 20$ AT 2.5 MC
 $C_{dist} = 1.2 \text{ MMF} \pm 0.6 \text{ MMF}$

X	4	GL 102	Q-MAX
X	3	WI 141-30-9	WIRE, ELEC. MAG.
X	2	WI 141-26-2	WIRE, ELEC. MAG.
1	1	CI 127-1	CORE, TOROID

REQ. ITEM	PART NO.	J. ANGER DESCRIPTION	SYMBOL
STOCK SIZE		THE TECHNICAL MATERIEL CORP. MAMARONECK, NEW YORK	
MATERIAL		TRANSFORMER, RF INPUT BAND #1	
TYPE & TEMPER		HEAT TREAT. SPEC.	DRAWN
FINISH & SPEC. NO.		MECH. DES. APP.	LEC. DES. APP.

SYM	DESCRIPTION	DATE	CH. NO.	DRAFTS	CHECKER	ENG. APP.
B	AX548 WAS AX549 CLERICAL CHANGE	9-9-65	CC	H.K.	JCS	
A	COMP. REV. & REDRAWN	8-18-65	14702	E.	JCS	MJK

UNLESS OTHERWISE SPECIFIED
DIMENSIONS ARE IN INCHES AND INCLUDE
CHEMICALLY APPLIED OR PLATED FINISHES

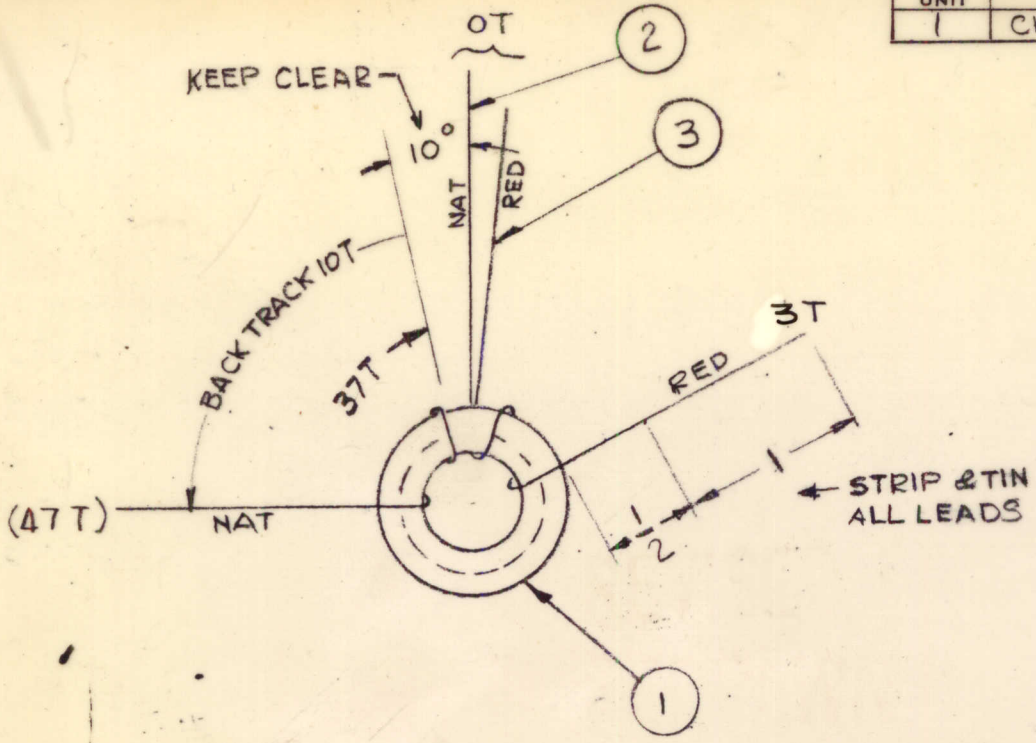
SCALE DO NOT SCALE

TOLERANCES

DECIMALS	FRACTIONS	CODE
X ± .05	± 1/64	A
.XX ± .01	ANGLES	
.XXX ± .005	± 0° 30'	

TZ186 B

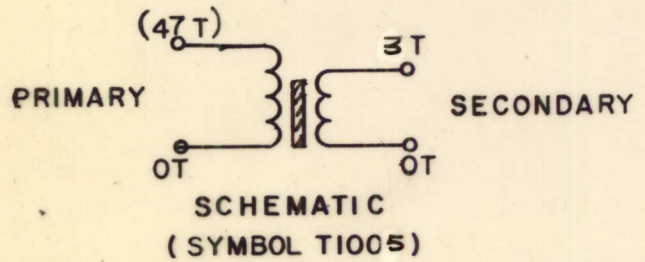
REQ. PER UNIT	USED ON			TZ 187	A
	MODEL	ASS'Y. NO.	DATE		
1	CHG-3	AX549	8-18-65		



- PROCEDURE -
- 1- WIND PRIMARY IN THE DIRECTION SHOWN, EQUALLY SPACED OVER THE ANGLE SHOWN.
 - 2- WIND SECONDARY OVER (ON TOP OF) PRI. AS SHOWN. NUMBER OF TURNS AS SHOWN.
 - 3- NUMBER OF TURNS OF PRIMARY IS APPROX. AND TURNS MAY BE ADDED OR REMOVED TO MEET INDUCTANCE.
 - 4- STAKE LEADS SECURELY WITH GL 102.
 - 5- BAKE FOR 1/2 HR. AT 215°F. TO REMOVE MOISTURE.
 - 6- COAT COIL & CORE WITH GL 102 & BAKE 1/2 HR. AT 215°F.

ELEC. SPECIFICATION

PRI. $L = 7.8 \mu h \pm 0.17 \mu h$
 $Q = 180 \pm 20$ AT 3.5 MC.
 $C_{dist} 1.2 \pm 0.6$ MMF



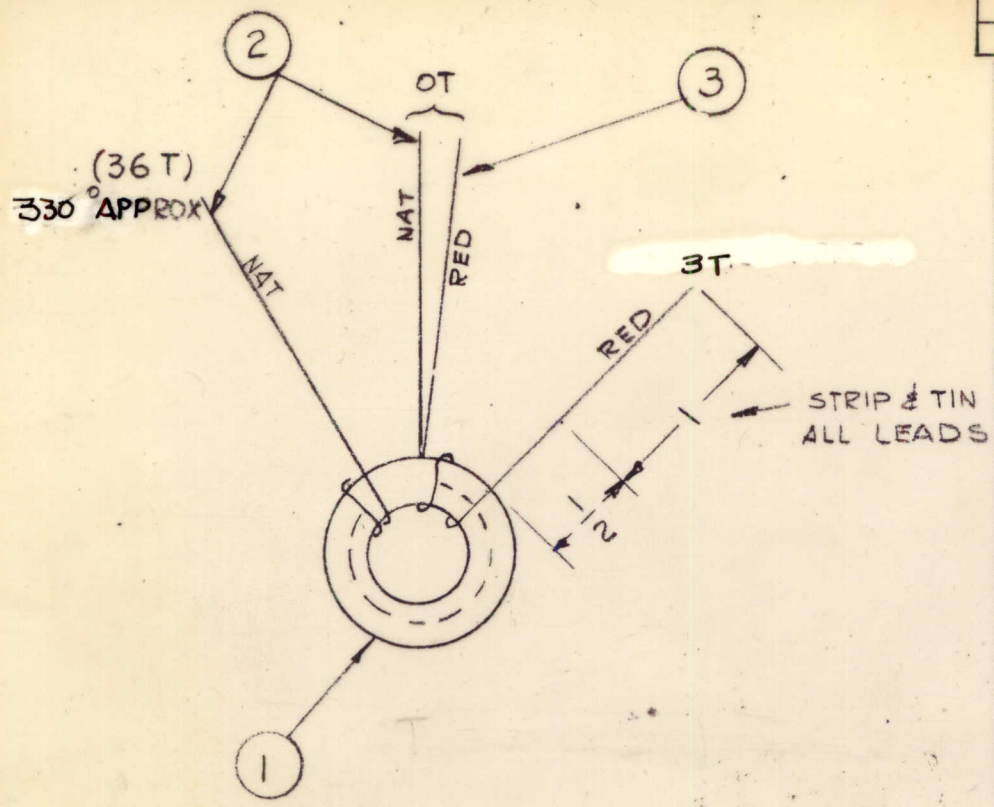
X	4	GL 102.	Q-MAX
X	3	W141-26-2	WIRE, ELEC. MAG.
X	2	W141-24-9	WIRE, ELEC. MAG.
1	1	CI 127-1	CORE, TOROID

A	COMP. REV. & REDRAWN	8-18-65	14702	E	<i>[Signature]</i>	<i>[Signature]</i>	
SYM	DESCRIPTION	DATE	CH. NO.	DRAFTS	CHECKER	ENG. APP.	
UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES AND INCLUDE CHEMICALLY APPLIED OR PLATED FINISHES		SCALE	DO NOT SCALE				
DECIMALS	FRACTIONS	CODE					
.X ± .05	± 1/64	X					
.XX ± .01	ANGLES						
.XXX ± .005	± 0° 30'						

REQ. ITEM	PART NO.	J. ANGER	DESCRIPTION	SYMBOL
STOCK SIZE		THE TECHNICAL MATERIEL CORP. MAMARONECK. NEW YORK		
MATERIAL		TRANSFORMER, RF INPUT BAND #2		
TYPE & TEMPER	HEAT TREAT. SPEC.	DRAWN	CHECKED	FINAL APPROVAL
		<i>[Signature]</i>	<i>[Signature]</i>	<i>[Signature]</i>
FINISH & SPEC. NO.		ELEC. DES. APP.	MECH. DES. APP.	

TZ 187 A

REQ. PER UNIT	USED ON			TZ188 B
	MODEL	ASSY. NO.	DATE	
1	CHG-3	AX 550	8-18-65	



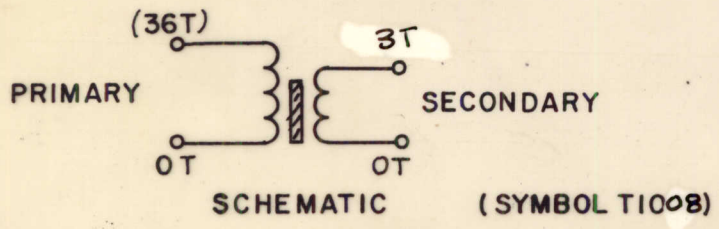
- PROCEDURE -
- 1- WIND PRIMARY IN THE DIRECTION SHOWN EQUALLY SPACED OVER THE ANGLE SHOWN WITHOUT OVERLAPPING TURNS.
 - 2- WIND SECONDARY OVER (ON TOP OF) PRIMARY AS SHOWN. NUMBER OF TURNS AS SHOWN
 - 3- NUMBER OF TURNS OF PRIMARY IS APPROX. AND TURNS MAY BE ADDED OR REMOVED TO MEET INDUCTANCE
 - 4- STAKE LEADS SECURELY WITH GL102
 - 5- BAKE FOR 1/2 HR. AT 215°F. TO REMOVE MOISTURE.
 - 6- COAT COIL & CORE WITH GL102 & BAKE 1/2 HR AT 215°F

ELEC. SPECIFICATION

$L = 5.18 \mu h \pm 0.11 \mu h.$

PRI. $Q = 175 \text{ MIN AT } 5 \text{ MC.}$

$C = 1.2 \pm 0.6 \text{ MMF}$
dist

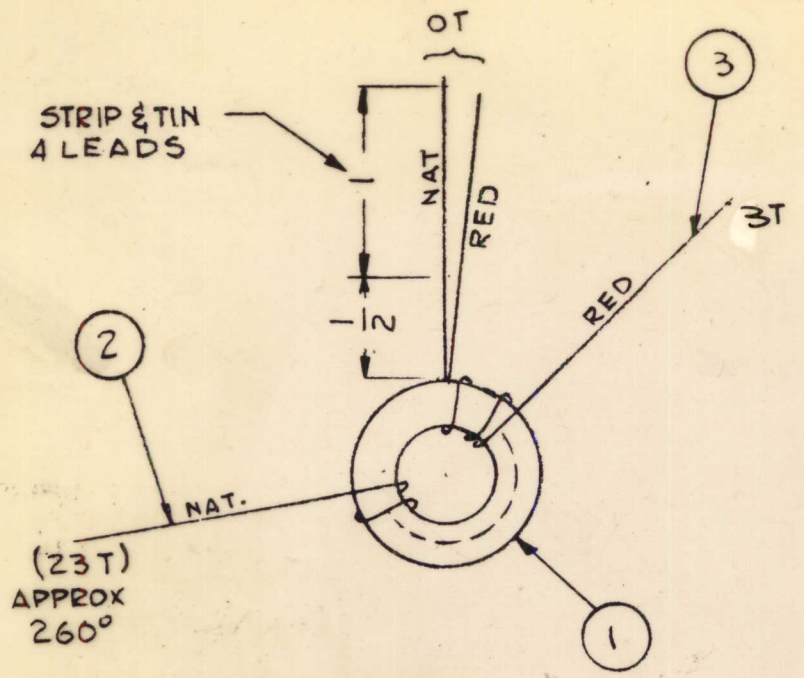


X	4	GL102	Q-MAX
X	3	WI141-26-2	WIRE, ELEC. MAG.
X	2	WI141-24-9	WIRE, ELEC. MAG.
1	1	CI127-1	CORE, TOROID

B	"Q" VALUE WAS 200 ± 25	1-6-67	17616	470	JCS	JCS
A	COMP. REV & REDRAWN	8-18-65	14702	E	JCS	JCS
SYM	DESCRIPTION	DATE	CH. NO.	DRAFTS	CHECKER	ENG. APP.
UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES AND INCLUDE CHEMICALLY APPLIED OR PLATED FINISHES		SCALE DO NOT SCALE				
DECIMALS	TOLERANCES	FRACTIONS	CODE			
.X ± .05		± 1/64	A			
.XX ± .01		ANGLES				
.XXX ± .005		± 0° 30'				

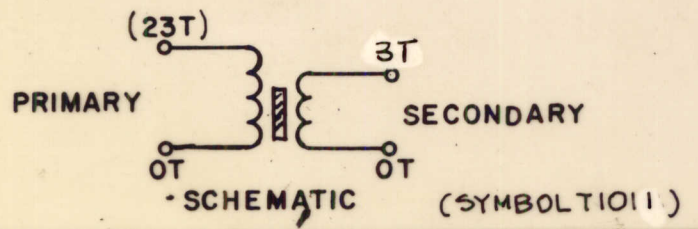
REQ. ITEM	PART NO.	J. ANGER	DESCRIPTION	SYMBOL
STOCK SIZE		THE TECHNICAL MATERIEL CORP. MAMARONECK. NEW YORK		
MATERIAL		TRANSFORMER, RF		
TYPE & TEMPER		INPUT BAND #3		
HEAT TREAT. SPEC.		LEANZA	CHECKED	FINAL APPROVAL
FINISH & SPEC. NO.		ELEC. DES. APP.		MECH. DES. APP.
		TZ188		B

REQ. PER UNIT	USED ON			TZ189	B
	MODEL	ASS'Y. NO.	DATE		
1	CHG-3	AX 551	8-18-65		



- PROCEDURE -
- 1- WIND PRIMARY IN THE DIRECTION SHOWN, EQUALLY SPACED OVER THE ANGLE SHOWN, WITHOUT OVERLAPPING TURNS.
 - 2- WIND SECONDARY BETWEEN TURNS OF PRIMARY. NUMBER OF TURNS AS SHOWN.
 - 3- NUMBER OF TURNS OF PRIMARY IS APPROX. AND TURNS MAY BE ADDED OR REMOVED TO MEET INDUCTANCE.
 - 4- STAKE LEADS SECURELY WITH GL102.
 - 5- BAKE FOR 1/2 HR. AT 215°F. TO REMOVE MOISTURE.
 - 6- COAT COIL & CORE WITH GL102 & BAKE 1/2 HR. AT 215°F.

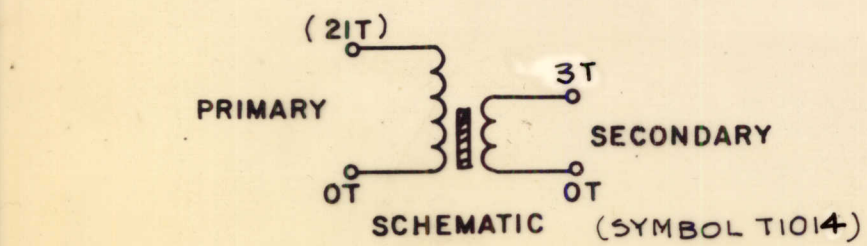
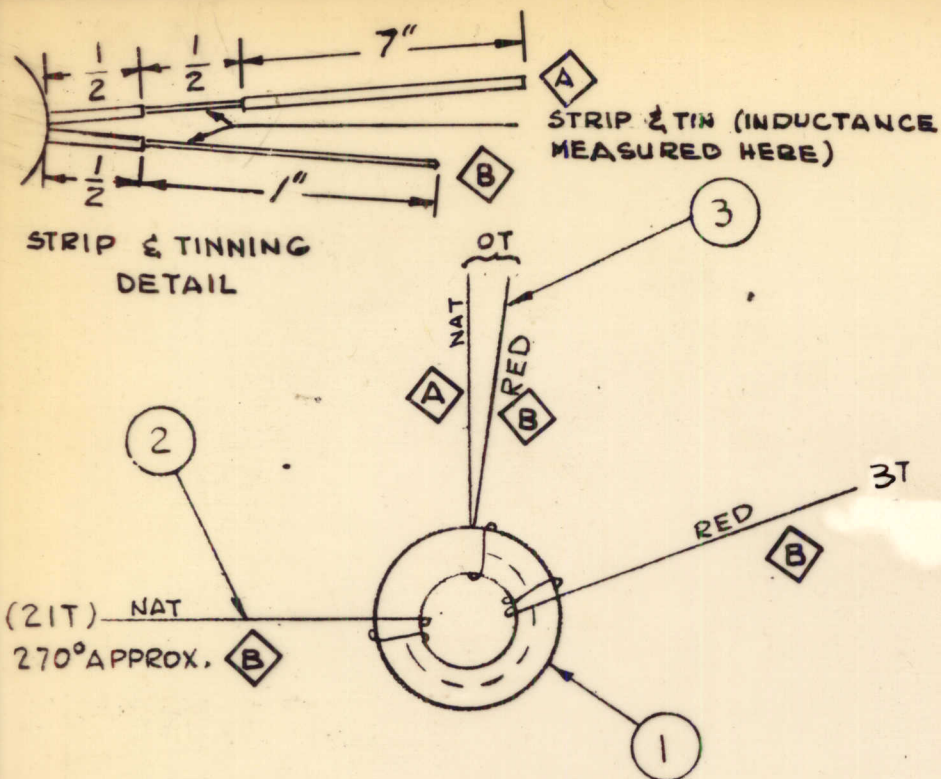
ELEC. SPECIFICATION
 $L = 2.5 \mu h \pm 0.06 \mu h$
 PRI. Q = GREATER THAN 170 AT 7 M.C.
 $C_{dist} 1.0 \pm 0.6 \text{ MMF}$



X	4	GL102	Q-MAX
X	3	W141-26-2	WIRE, ELEC. MAG.
X	2	W141-24-9	WIRE, ELEC. MAG.
1	1	CI127-1	CORE, TOROID

SYM	DESCRIPTION	DATE	CH. NO.	DRAFTS	CHECKER	ENG. APP.
B	PRI "Q" WAS 170 ± 20	7-18-66	16579	RME	<i>[Signature]</i>	
A	COMP. REV. & REDRAWN	8-18-65	14702	E	<i>[Signature]</i>	
UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES AND INCLUDE CHEMICALLY APPLIED OR PLATED FINISHES		SCALE DO NOT SCALE				
DECIMALS .X ± .05 .XX ± .01 .XXX ± .005	TOLERANCES	FRACTIONS ± 1/64 ANGLES ± 0° 30'	CODE A			

REQ. ITEM	PART NO.	J. ANGER	DESCRIPTION	SYMBOL
			THE TECHNICAL MATERIEL CORP. MAMARONECK. NEW YORK	
			TRANSFORMER, RF INPUT BAND #4	
			DRAWN <i>[Signature]</i>	CHECKED <i>[Signature]</i>
			FINAL APPROVAL	
			TZ189 B	
			ELEC. DES. APP.	MECH. DES. APP.



REQ. PER UNIT	USED ON			TZ190	B
	MODEL	ASSY. NO.	DATE		
1	CHG-3	AX 552	8-18-65		

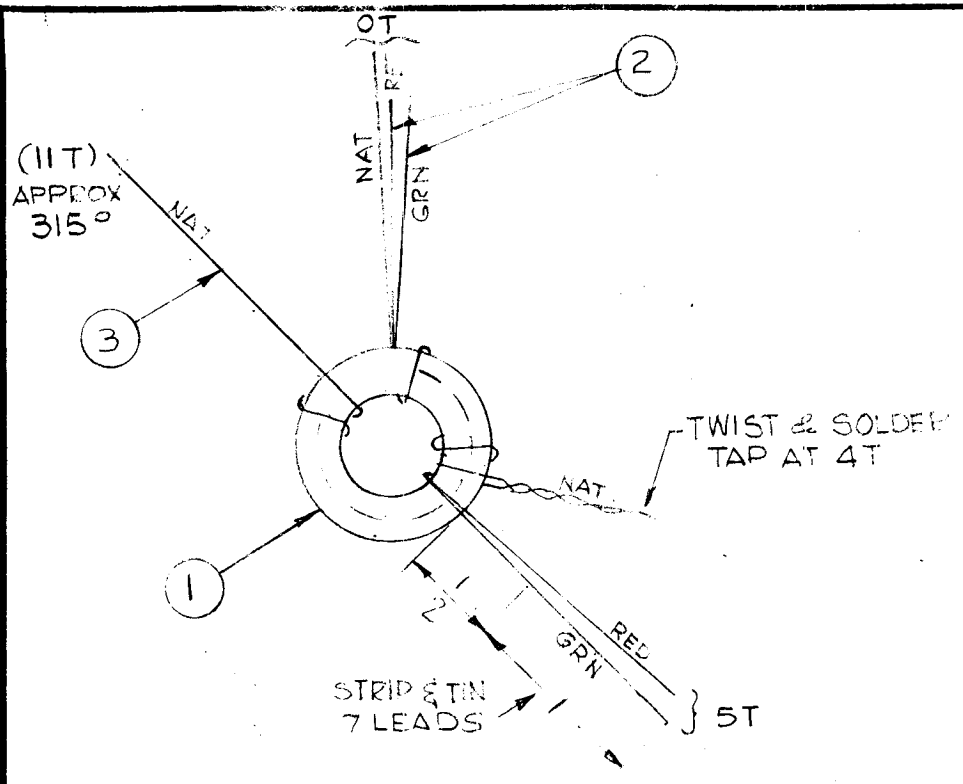
- PROCEDURE -
- 1-WIND PRIMARY IN THE DIRECTION SHOWN, EQUALLY SPACED OVER THE ANGLE SHOWN, WITHOUT OVERLAPPING TURNS.
 - 2-WIND SECONDARY BETWEEN TURNS OF PRIMARY. NUMBER OF TURNS AS SHOWN.
 - 3- NUMBER OF TURNS OF PRIMARY IS APPROX. AND TURNS MAY BE ADDED OR REMOVED TO MEET INDUCTANCE.
 - 4-STAKE LEADS SECURELY WITH GL102.
 - 5-BAKE FOR 1/2 HR. AT 215°F. TO REMOVE MOISTURE.
 - 6-COAT COIL & CORE WITH GL102 & BAKE 1/2 HR. AT 215°F.

ELEC. SPECIFICATION

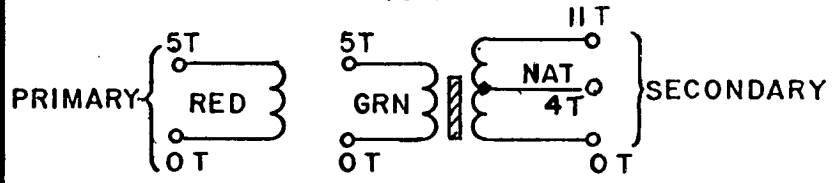
PRI. $L = 1.9 \mu h \pm 0.04 \mu h$
 $Q = 160 \text{ MIN AT } 10 \text{ MC}$
 $C_{dist} 0.7 \pm 0.5 \text{ MMF}$

X	4	GL102	Q-MAX	
X	3	W141-26-2	WIRE, ELEC. MAG.	
X	2	W141-24-9	WIRE, ELEC. MAG.	
1	1	CI127-1	CORE, TOROID	
REQ. ITEM	PART NO.		J. ANGER	DESCRIPTION
				SYMBOL
				THE TECHNICAL MATERIEL CORP. MAMARONECK, NEW YORK
STOCK SIZE				TRANSFORMER, RF INPUT
MATERIAL				BAND #5
				FINAL APPROVAL
TYPE & TEMPER		HEAT TREAT. SPEC.	DRAWN	CHECKED
FINISH & SPEC. NO.		ELEC. DES. APP.	MECH. DES. APP.	
				TZ190 B

B	"Q" VALUE WAS 180 ± 20	1-6-67	17616	4H	CBP	
A	COMP. REV. & REDRAWN	8-18-65	14702	E	CBP	
SYM	DESCRIPTION	DATE	CH. NO.	DRAFTS	CHECKER	ENG. APP
UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES AND INCLUDE CHEMICALLY APPLIED OR PLATED FINISHES		SCALE DO NOT SCALE				
DECIMALS	TOLERANCES	FRACTIONS	CODE			
.X ± .05		± 1/64	A			
.XX ± .01		ANGLES				
.XXX ± .005		± 0° 30'				



— SCHEMATIC DIAGRAM —
T1017



REQ. PER UNIT	USED ON			TZ191	Ø
	MODEL	ASS'Y. NO.	DATE		
1	CHG-3	A4180-6	2-5-65		

WINDING PROCEDURE

1. WIND PRIMARY AND SECONDARY SIMULTANEOUSLY IN THE DIRECTION SHOWN EQUALLY SPACED OVER THE ANGLE SHOWN WITHOUT OVER LAPPING TURNS.
2. NUMBER OF TURNS OF PRIMARY AS SHOWN.
3. NUMBER OF TURNS OF SECONDARY AS SHOWN. FINISH END OF COIL MAY BE SPREAD APART OR PUSHED TOGETHER TO MEET INDUCTANCE.
4. STAKE LEADS SECURELY WITH Q-MAX.
5. BAKE FOR 1/2HR. AT 215°F TO REMOVE MOISTURE.
6. COAT COIL & CORE WITH Q-MAX & BAKE 1/2HR. AT 215°F.
7. INSIDE DIAMETER OF FINISHED COIL MUST BE LARGE ENOUGH TO FIT OVER A .260 DIA. FORM.

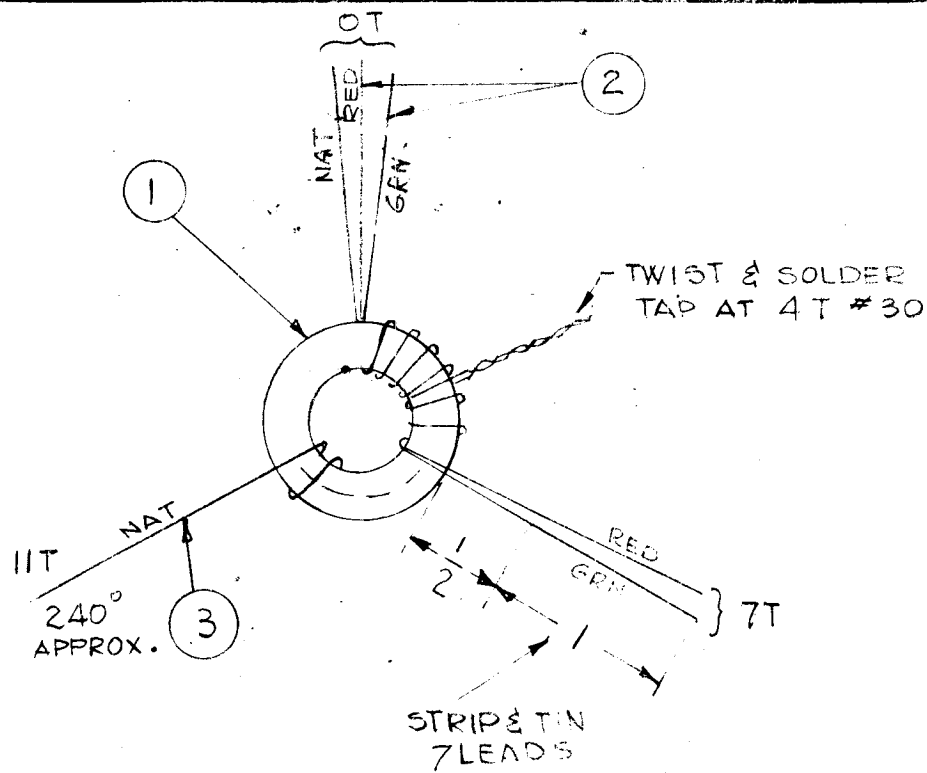
ELECTRICAL SPECS.

SECONDARY L = 0.651 μh ± 0.016 μh
 Q = 123 ± 15 AT 14 MC
 C DIST = 0.5 ± 0.5 MMF

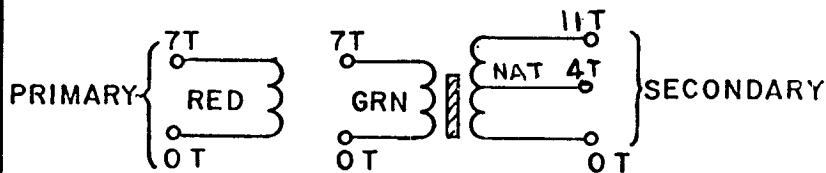
X	5	BS100	SOLDERED TIN ALLOY
X	4	GL102	Q-MAX
X	3	WI141-30-9	WIRE, ELEC. MAG.
X	2	WI148-34-25	CABLE, SP-MAG, V, 2C
1	1	CI 127-1	

Ø	ORIGINAL RELEASE FOR PRODUCTION	4-14-65	Ø	2L		
X1	PICTORIAL MODIFIED	2-25-65		G.D.L.		
SYM	DESCRIPTION	DATE	CH. NO.	DRAFTS	CHECKER	ENG. APP.
UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES AND INCLUDE CHEMICALLY APPLIED OR PLATED FINISHES		SCALE DO NOT SCALE				
DECIMALS .X ± .05 .XX ± .01 .XXX ± .005	TOLERANCES	FRACTIONS ± 1/64 ANGLES ± 0° 30'	CODE A			

REQ. ITEM	PART NO.	J. ANGEZ	DESCRIPTION	SYMBOL
STOCK SIZE		THE TECHNICAL MATERIEL CORP. MAMARONECK, NEW YORK		
MATERIAL		TRANSFORMER, BAL. MOD. BAND # 6 12-16 MC		
TYPE & TEMPER	HEAT TREAT. SPEC.	DRAWN	CHECKED	FINAL APPROVAL
		G.D.L.	Jk	Pc
FINISH & SPEC. NO.		ELEC. DES. APP.	MECH. DES. APP.	TZ191 Ø



-- SCHEMATIC DIAGRAM --
T1021



REQ. PER UNIT	USED ON			TZ192	Ø
	MODEL	ASS'Y. NO.	DATE		
1	CHG-3	A4180-7	2-5-65		

WINDING PROCEDURE

1. WIND PRIMARY AND SECONDARY SIMULTANEOUSLY IN THE DIRECTION SHOWN EQUALLY SPACED OVER THE ANGLE SHOWN WITHOUT OVER LAPPING TURNS.
2. NUMBER OF TURNS OF PRIMARY AS SHOWN.
3. NUMBER OF TURNS OF SECONDARY AS SHOWN. FINISH END OF COIL MAY BE SPREAD APART OR PUSHED TOGETHER TO MEET INDUCTANCE.
4. STAKE LEADS SECURELY WITH Q-MAX.
5. BAKE FOR 1/2HR. AT 215°F TO REMOVE MOISTURE.
6. COAT COIL & CORE WITH Q-MAX & BAKE 1/2HR. AT 215°F.
7. INSIDE DIAMETER OF FINISHED COIL MUST BE LARGE ENOUGH TO FIT OVER A .260 DIA. FORM.

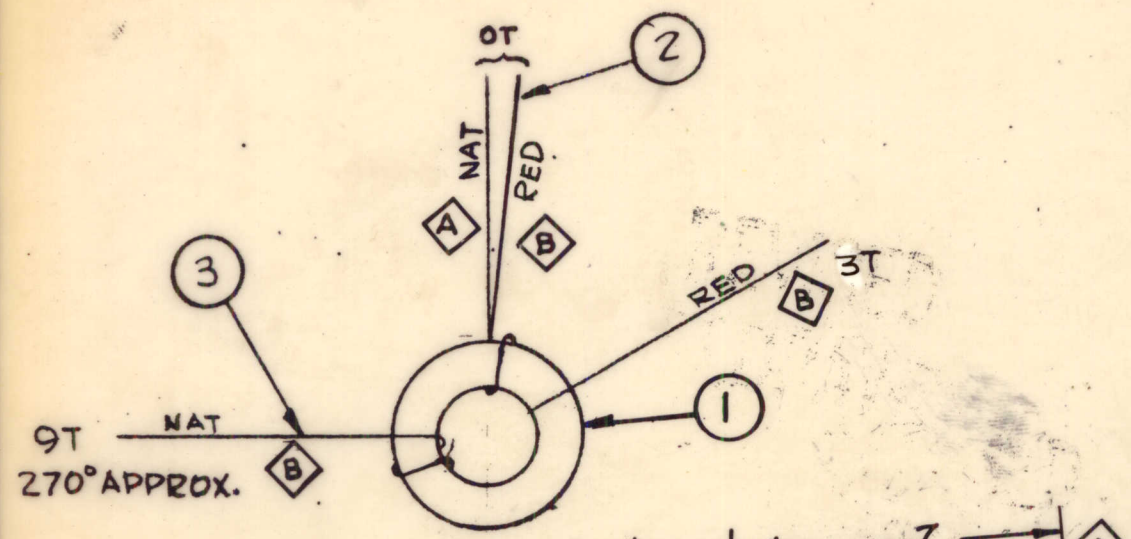
ELECTRICAL SPECS.

SECONDARY	L = 0.615 uh	± 0.013 uh
	Q = 115	± 20 AT 20MC
	C DIST = 1MMF	± 1MMF
		±

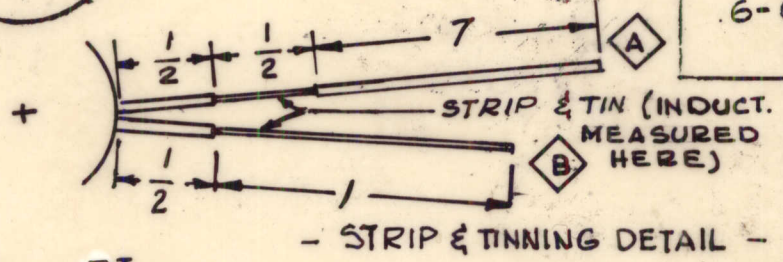
REQ. ITEM	PART NO.	J. ANGER DESCRIPTION	SYMBOL
X 4	GL102	Q-MAX	
X 3	WI 141-30-9	WIRE, ELEC. MAG.	
X 2	WI 143-34-25	CABLE, SP-MAG. V.2C	
1	CI 127-1	CORE, TOROID	
		THE TECHNICAL MATERIEL CORP. MAMARONECK. NEW YORK TRANSFORMER, BAL. MOD. BAND → 16-24 MC	
STOCK SIZE			
MATERIAL			
TYPE & TEMPER			
HEAT TREAT. SPEC.			
FINISH & SPEC. NO.			
DRAWN		CHECKED	
ELEC. DES. APP.		MECH. DES. APP.	
		2-5-65 G.D.L. <i>[Signature]</i> <i>[Signature]</i> FINAL APPROVAL TZ192 Ø	

SYM	DESCRIPTION	DATE	CH. NO.	DRAFTS	CHECKER	ENG. APP.
Ø	ORIGINAL RELEASE FOR PRODUCTION	4-14-65				
X1	NUMBER OF TURNS OF PRI. WERE 14 - TAP ADDED -	3-15-65			G.D.L.	<i>[Signature]</i>
UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES AND INCLUDE CHEMICALLY APPLIED OR PLATED FINISHES		SCALE DO NOT SCALE				
DECIMALS .X ± .05 .XX ± .01 .XXX ± .005		FRACTIONS ± 1/64 ANGLES ± 0° 30'		CODE A		

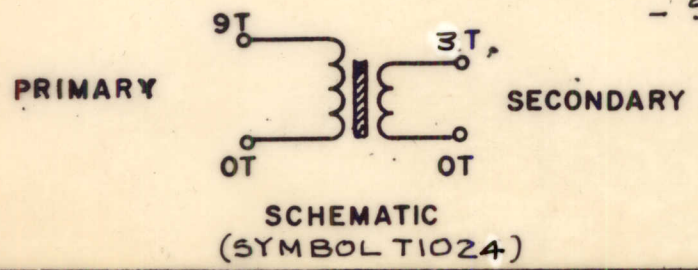
REQ. PER UNIT 1	USED ON			TZ193	C
	MODEL CHG-3	ASS'Y. NO. AX 555	DATE 8-18-65		



- PROCEDURE -
- 1- WIND PRIMARY IN THE DIRECTION SHOWN, EQUALLY SPACED OVER THE ANGLE SHOWN, WITHOUT OVERLAPPING TURNS.
 - 2- WIND SECONDARY BETWEEN TURNS OF PRIMARY. NUMBER OF TURNS AS SHOWN.
 - 3- PRIMARY TURNS MAY BE PUSHED TOGETHER OR SPREAD APART TO MEET INDUCTANCE.
 - 4- STAKE LEADS SECURELY WITH GL102.
 - 5- BAKE FOR 1/2 HR. AT 215°F. TO REMOVE MOISTURE.
 - 6- COAT COIL & CORE WITH GL102 & BAKE 1/2 HR. AT 215°F.



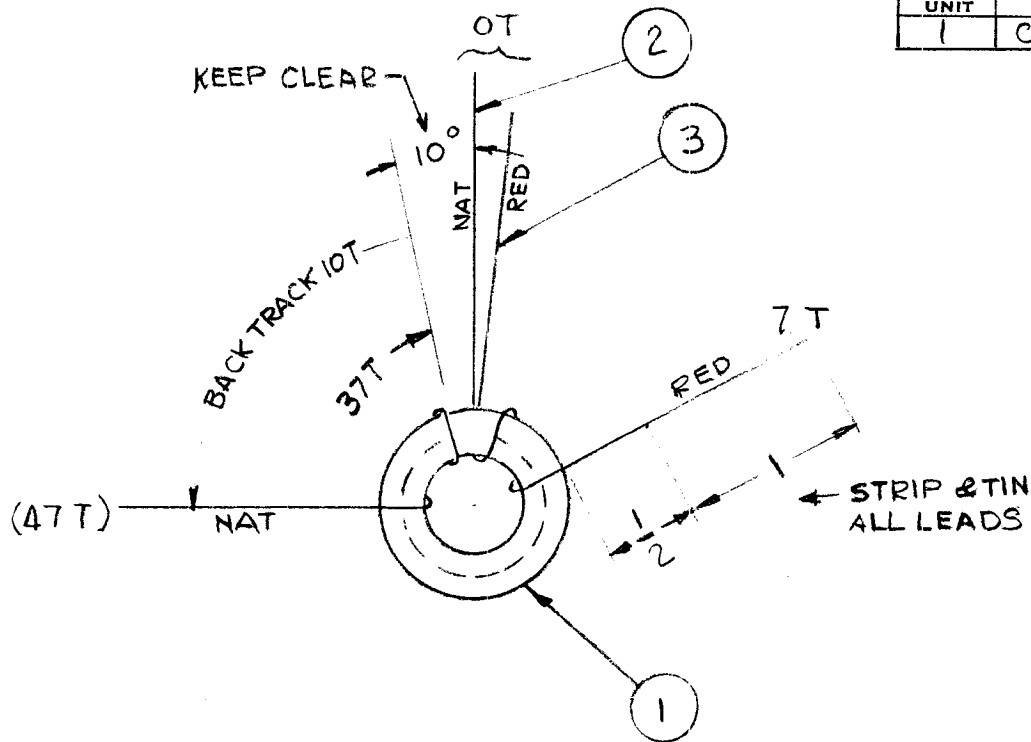
ELEC. SPECIFICATION
 L = 0.385uH ± 0.015uH
 PRI. Q = 120 MIN AT 28MC
 C_{dist} 0.7 ± 0.5 MMF



X	4	GL102	Q-MAX	
X	3	W141-22-9	WIRE, ELEC. MAG.	
X	2	W141-26-2	WIRE, ELEC. MAG.	
1	1	CI.127-1	CORE, TOROID	
REQ. ITEM	PART NO.		J. ANGER	DESCRIPTION
STOCK SIZE				SYMBOL
MATERIAL				THE TECHNICAL MATERIEL CORP. MAMARONECK, NEW YORK
TYPE & TEMPER				TRANSFORMER, RF
HEAT TREAT. SPEC.				INPUT BAND #8
DRAWN				FINAL APPROVAL
FINISH & SPEC. NO.				ELEC. DES. APP. MECH. DES. APP.

C	"Q" VALUE WAS 135 ± 15	1-6-67	17616	4W	JCB	
B	COMP. REV. & REDRAWN	8-18-65	A702	E	JCB	
SYM	DESCRIPTION	DATE	CH. NO.	DRAFTS	CHECKER	ENG. APP
UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES AND INCLUDE CHEMICALLY APPLIED OR PLATED FINISHES		SCALE DO NOT SCALE				
DECIMALS .X ± .05 .XX ± .01 .XXX ± .005	TOLERANCES	FRACTIONS ± 1/64 ANGLES ± 0° 30'	CODE A			

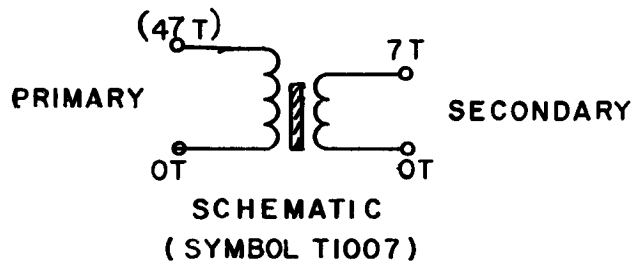
REQ. PER UNIT	USED ON			TZ 195 \emptyset
	MODEL	ASS'Y. NO.	DATE	
1	CHG-3	AX549	2-16-65	



- PROCEDURE -
- 1- WIND PRIMARY IN THE DIRECTION SHOWN, EQUALLY SPACED OVER THE ANGLE SHOWN.
 - 2- WIND SECONDARY OVER (ON TOP OF) PRI. AS SHOWN. NUMBER OF TURNS AS SHOWN.
 - 3- NUMBER OF TURNS OF PRIMARY IS APPROX. AND TURNS MAY BE ADDED OR REMOVED TO MEET INDUCTANCE.
 - 4- STAKE LEADS SECURELY WITH GL102.
 - 5- BAKE FOR 1/2 HR. AT 215°F. TO REMOVE MOISTURE.
 - 6- COAT COIL & CORE WITH GL102 & BAKE 1/2 HR. AT 215°F.

ELEC. SPECIFICATION

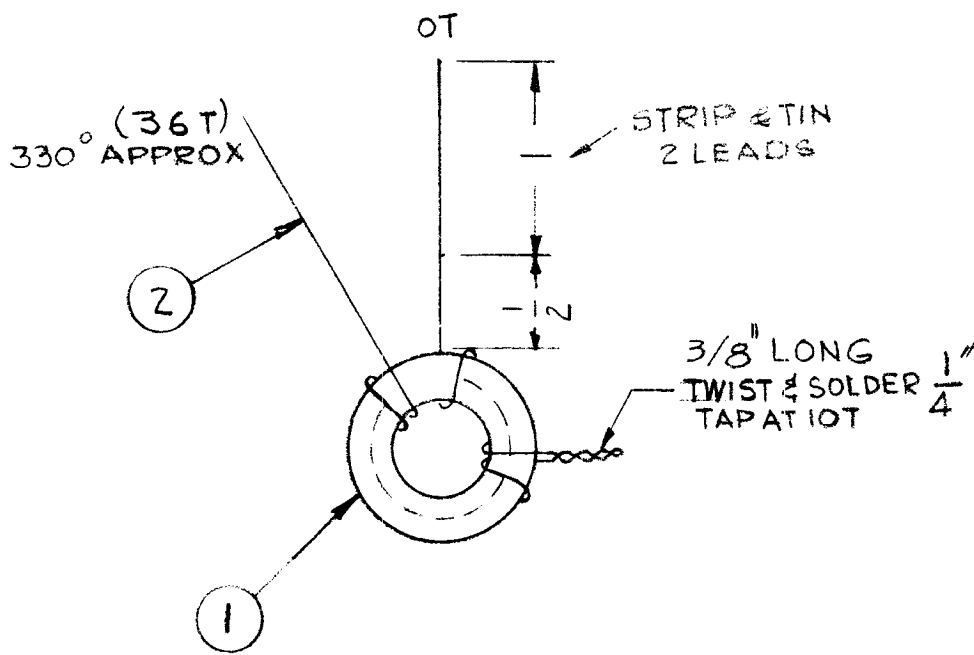
PRI. $L = 7.8 \mu h \pm 0.17 \mu h$
 $Q = 180 \pm 20$ AT 3.5 MC.
 $C_{dist} 1.2 \pm 0.6$ MMF



X	4	GL102	Q-MAX
X	3	W141-26-2	WIRE, ELEC. MAG.
X	2	W141-24-9	WIRE, ELEC. MAG.
1	1	CI127-1	CORE, TOROID

\emptyset	ORIGINAL RELEASE FOR PRODUCTION	4-14-65	\emptyset	92				REQ. ITEM	PART NO.	J. ANGER	DESCRIPTION	SYMBOL	
X	COMPLETELY REVISED	3-15-65		G.D.L.	<i>[Signature]</i>						THE TECHNICAL MATERIEL CORP. MAMARONECK, NEW YORK		
X	EXPER. RELEASE	2-16-65		G.D.L.							TRANSFORMER, RF		
											OUTPUT BAND*2		
UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES AND INCLUDE CHEMICALLY APPLIED OR PLATED FINISHES		SCALE	DO NOT SCALE					MATERIAL		G.D.L. ²⁻¹⁶⁻⁶⁵		<i>[Signature]</i>	<i>[Signature]</i>
DECIMALS X $\pm .05$.XX $\pm .01$.XXX $\pm .005$	TOLERANCES	FRACTIONS $\pm 1/64$ ANGLES $\pm 0^\circ 30'$	CODE	X			TYPE & TEMPER	HEAT TREAT. SPEC.	DRAWN	CHECKED	FINAL APPROVAL		
									<i>[Signature]</i>		TZ 195 \emptyset		
							FINISH & SPEC. NO.	ELEC. DES. APP.		MECH. DES. APP.			

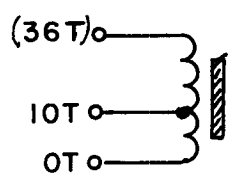
REQ. PER UNIT	USED ON			TZ196	Ø
	MODEL	ASSY. NO.	DATE		
1	CHG-3	AX 550	2-16-65		



- PROCEDURE -
- 1- WIND APPROX. 36 TURNS IN THE DIRECTION SHOWN, EQUALLY SPACED OVER THE ANGLE SHOWN, WITHOUT OVERLAPPING TURNS.
 - 2- TAP AT THE NUMBER OF TURNS AS SHOWN.
 - 3- TURNS MAY BE ADDED OR REMOVED AS NEEDED TO MEET INDUCTANCE.
 - 4- STAKE LEADS SECURELY WITH GL102.
 - 5- BAKE FOR 1/2 HR. AT 215°F. TO REMOVE MOISTURE.
 - 6- COAT COIL & CORE WITH GL102 & BAKE 1/2 HR. AT 215°F.

ELECTRICAL SPECIFICATION

$L = 5.18 \mu h \pm 0.11 \mu h$
 $Q = 200 \pm 25 \text{ AT } 5 \text{ MC.}$
 $C_{dist} = 1.0 \pm 0.6 \text{ MMF}$

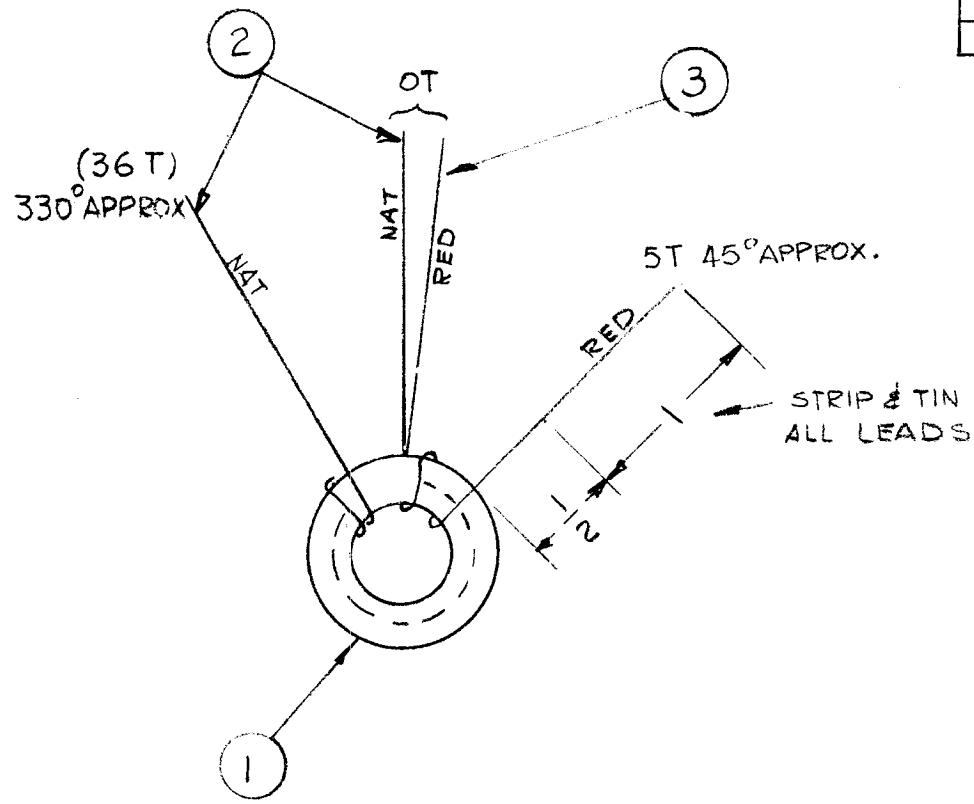


SCHEMATIC
(SYMBOL T1009)

X	4	BS 100	SOLDER, TIN ALLOY
X	3	G102	Q-MAX
X	2	WI 141-24-9	WIPE, ELEC. MAG.
1	1	CI 127-1	CORE, TOROID

SYM	DESCRIPTION	DATE	CH. NO.	DRAFTS	CHECKER	ENG. APP.	REQ. ITEM	PART NO.	J. ANGER DESCRIPTION	SYMBOL		
Ø	ORIGINAL RELEASE FOR PRODUCTION	4-14-65	Ø	RL					<p align="center">THE TECHNICAL MATERIEL CORP. MAMARONECK, NEW YORK</p> <p align="center">TRANSFORMER, RF DRIVER BAND #3</p>			
X	COMPLETELY REVISED	3-15-65		G.D.L.	<i>[Signature]</i>	<i>[Signature]</i>						
X	EXPER. RELEASE	2-16-65		G.D.L.								
UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES AND INCLUDE CHEMICALLY APPLIED OR PLATED FINISHES		SCALE		DO NOT SCALE			TYPE & TEMPER		HEAT TREAT. SPEC.	DRAWN	CHECKED	FINAL APPROVAL
DECIMALS .X ± .05 .XX ± .01 .XXX ± .005		FRACTIONS ± 1/64 ANGLES ± 0° 30'		TOLERANCES		CODE	FINISH & SPEC. NO.		ELEC. DES. APP.		MECH. DES. APP.	TZ196 Ø

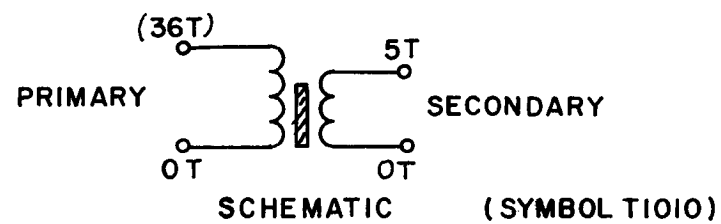
REQ. PER UNIT	USED ON			TZ197 0
	MODEL	ASSY. NO.	DATE	
1	CHG-3	AX 550	2-17-65	



- PROCEDURE —
- 1-WIND PRIMARY IN THE DIRECTION SHOWN EQUALLY SPACED OVER THE ANGLE SHOWN WITHOUT OVERLAPPING TURNS.
 - 2-WIND SECONDARY OVER (ON TOP OF) PRIMARY AS SHOWN, NUMBER OF TURNS AS SHOWN
 - 3-NUMBER OF TURNS OF PRIMARY IS APPROX. AND TURNS MAY BE ADDED OR REMOVED TO MEET INDUCTANCE
 - 4-STAKE LEADS SECURELY WITH GL102
 - 5-BAKE FOR 1/2 HR. AT 215°F. TO REMOVE MOISTURE.
 - 6-COAT COIL & CORE WITH GL102 & BAKE 1/2HR AT 215°F

ELEC. SPECIFICATION

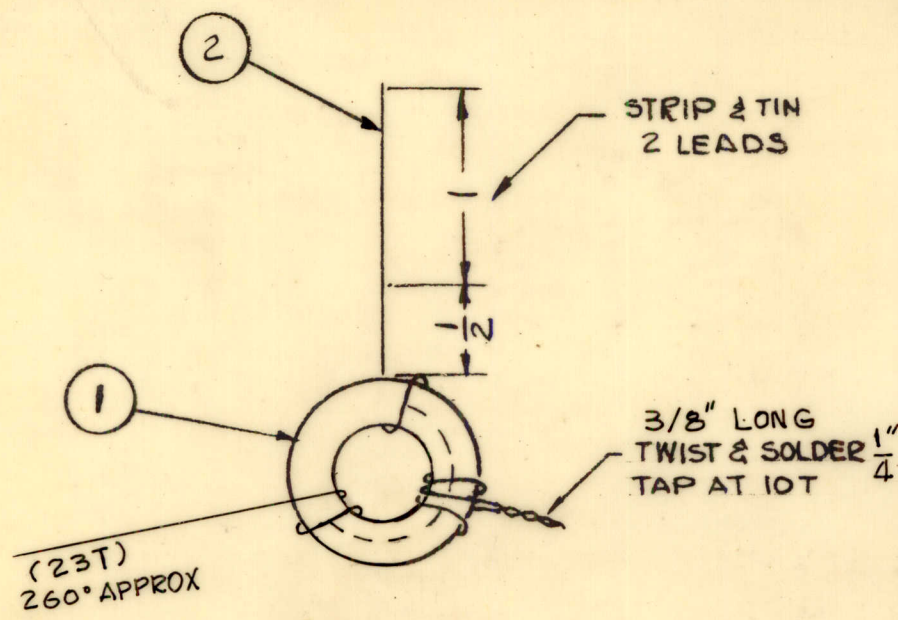
L = 5.18 μ h \pm 0.11 μ h.
 PRI. Q = 200 \pm 25 AT 5 MC.
 C_{dist} = 1.2 \pm 0.6 MMF



X	4	GL102	Q-MAX
X	3	WI141-26-2	WIRE, ELEC. MAG.
X	2	WI141-24-9	WIRE, ELEC. MAG.
1	1	CI127-1	CORE, TOROID

SYM	DESCRIPTION	DATE	CH. NO.	DRAFTS	CHECKER	ENG. APP.	REQ. ITEM	PART NO.	J. ANGER DESCRIPTION	SYMBOL					
0	ORIGINAL RELEASE FOR PRODUCTION	4-14-65							THE TECHNICAL MATERIEL CORP. MAMARONECK, NEW YORK TRANSFORMER, RF OUTPUT BAND #3						
X1	COMPLETELY REVISED	3-15-65		G.D.L.											
X	EXPER. RELEASE	2-17-65		G.D.L.											
UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES AND INCLUDE CHEMICALLY APPLIED OR PLATED FINISHES		SCALE		DO NOT SCALE											
DECIMALS .X \pm .05 .XX \pm .01 .XXX \pm .005		FRACTIONS \pm 1/64 ANGLES \pm 0° 30'		CODE A		TYPE & TEMPER		HEAT TREAT. SPEC.		DRAWN G.D.L. <i>Ja</i>		CHECKED <i>Ja</i>		FINAL APPROVAL <i>Ja</i>	
TOLERANCES						FINISH & SPEC. NO.		ELEC. DES. APP. <i>Janger</i>		MECH. DES. APP.		TZ197 0			

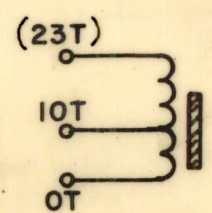
REQ. PER UNIT	USED ON			TZ 198	A
	MODEL	ASS'Y. NO.	DATE		
1	CHG-3	AX 551	2-16-65		



- PROCEDURE -
- 1- WIND APPROX. 23 TURNS IN THE DIRECTION SHOWN, EQUALLY SPACED OVER THE ANGLE SHOWN, WITHOUT OVERLAPPING TURNS.
 - 2- TAP AT THE NUMBER OF TURNS AS SHOWN.
 - 3- TURNS MAY BE ADDED OR REMOVED AS NEEDED TO MEET INDUCTANCE.
 - 4- STAKE LEADS SECURELY WITH GL102.
 - 5- BAKE FOR 1/2 HR. AT 215°F. TO REMOVE MOISTURE
 - 6- COAT COIL & CORE WITH GL102 & BAKE 1/2 HR. AT 215°F.

ELECTRICAL SPECIFICATION

$L = 2.5 \mu h \pm 0.06 \mu h$
 $Q = 150 \text{ MIN. AT } 7 \text{ MC}$
 $C_{dist} = 0.7 \pm 0.5 \text{ MMF}$



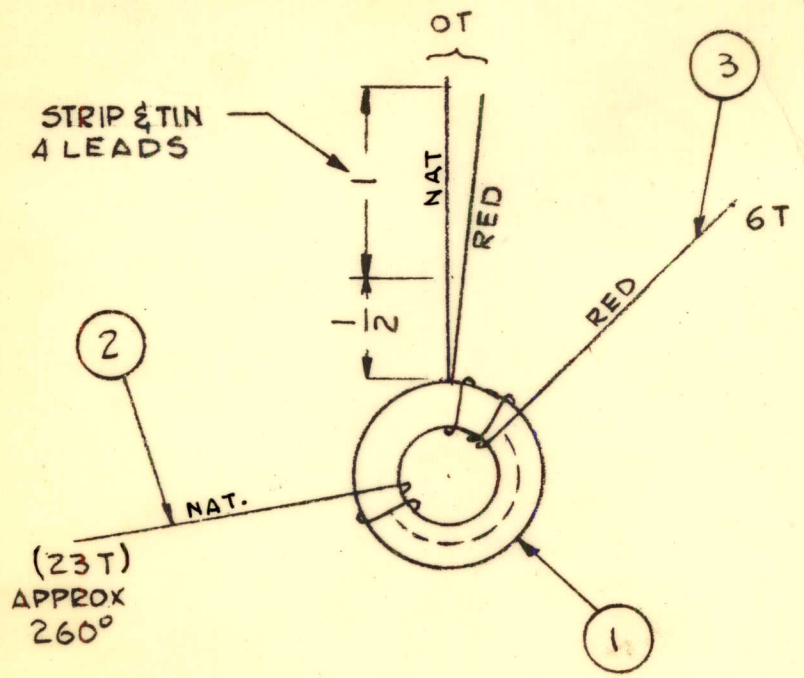
SCHEMATIC (SYMBOL T1012)

X	4	BS 100	SOLDER, TIN ALLOY
X	3	G 102	Q-MAX
X	2	WI 141-24-9	WIPE, ELEC. MAG.
1	1	CI 127-1	CORE, TOROID

A	"Q" VALUE WAS 170 ± 20	1-6-67	17616	WJD	OKB	
Ø	ORIGINAL RELEASE FOR PRODUCTION	4-14-65	Ø	Ø		
X1	COMPLETELY REVISED	3-15-65		G.D.L.		
X	EXPER. RELEASE	2-17-65		G.D.L.		
SYM	DESCRIPTION	DATE	CH. NO.	DRAFTS	CHECKER	ENG. APP.
UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES AND INCLUDE CHEMICALLY APPLIED OR PLATED FINISHES		SCALE DO NOT SCALE				
DECIMALS .X ± .05 .XX ± .01 .XXX ± .005	TOLERANCES	FRACTIONS ± 1/64 ANGLES ± 0° 30'	CODE A			

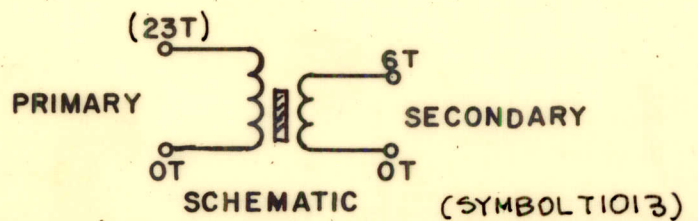
REQ. ITEM	PART NO.	J. ANGER	DESCRIPTION	SYMBOL
STOCK SIZE		THE TECHNICAL MATERIEL CORP. MAMARONECK, NEW YORK		
MATERIAL		TRANSFORMER, RF DRIVER BAND #4		
TYPE & TEMPER	HEAT TREAT. SPEC.	DRAWN	CHECKED	FINAL APPROVAL
FINISH & SPEC. NO.		ELEC. DES. APP.	MECH. DES. APP.	TZ198 A

REQ. PER UNIT	USED ON			TZ 199	A
	MODEL	ASS'Y. NO.	DATE		
1	CHG-3	AX 551	2-16-65		



- PROCEDURE -
- 1- WIND PRIMARY IN THE DIRECTION SHOWN, EQUALLY SPACED OVER THE ANGLE SHOWN, WITHOUT OVERLAPPING TURNS.
 - 2- WIND SECONDARY BETWEEN TURNS OF PRIMARY. NUMBER OF TURNS AS SHOWN.
 - 3- NUMBER OF TURNS OF PRIMARY IS APPROX. AND TURNS MAY BE ADDED OR REMOVED TO MEET INDUCTANCE.
 - 4- STAKE LEADS SECURELY WITH GL102.
 - 5- BAKE FOR 1/2 HR. AT 215°F. TO REMOVE MOISTURE.
 - 6- COAT COIL & CORE WITH GL102 & BAKE 1/2 HR. AT 215°F.

ELEC. SPECIFICATION
 $L = 2.5 \mu h \pm 0.06 \mu h$
 PRI. $Q = 150 \text{ MIN AT } 7 \text{ MC.}$
 $C_{dist} 1.0 \pm 0.6 \text{ MMF}$



X	4	GL102	Q-MAX
X	3	W141-26-2	WIRE, ELEC. MAG.
X	2	W141-24-9	WIRE, ELEC. MAG.
1	1	CI 127-1	CORE, TOROID

A	"Q" VALUE WAS 170 ± 20	1-6-67	17616	LFD	<i>[Signature]</i>
Ø	ORIGINAL RELEASE FOR PRODUCTION	4-14-65	Ø	<i>[Signature]</i>	
X _i	COMPLETELY REVISED	3-15-65		G.D.L.	<i>[Signature]</i>
X	EXPER. RELEASE	2-17-65		G.D.L.	

REQ. ITEM	PART NO.	J. ANGER	DESCRIPTION	SYMBOL
STOCK SIZE		THE TECHNICAL MATERIEL CORP. MAMARONECK, NEW YORK		
MATERIAL		TRANSFORMER, RF		
TYPE & TEMPER		OUTPUT BAND #4		
HEAT TREAT. SPEC.		G.D.L. 2-16-65	<i>[Signature]</i>	<i>[Signature]</i>
FINISH & SPEC. NO.		DRAWN	CHECKED	FINAL APPROVAL
		<i>[Signature]</i>		TZ 199 A
		ELEC. DES. APP.	MECH. DES. APP.	

UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES AND INCLUDE CHEMICALLY APPLIED OR PLATED FINISHES		SCALE DO NOT SCALE	
DECIMALS .X ± .05 .XX ± .01 .XXX ± .005	TOLERANCES	FRACTIONS ± 1/64 ANGLES ± 0° 30'	CODE A