



**For the best experience, open this PDF portfolio in  
Acrobat 9 or Adobe Reader 9, or later.**

[Get Adobe Reader Now!](#)

IF IT IS FOUND DESIRABLE TO CHANGE ANY TOLERANCE OR OTHER DETAIL SPECIFIED ON THIS DRAWING NOTIFY THE PURCHASER PROMPTLY.

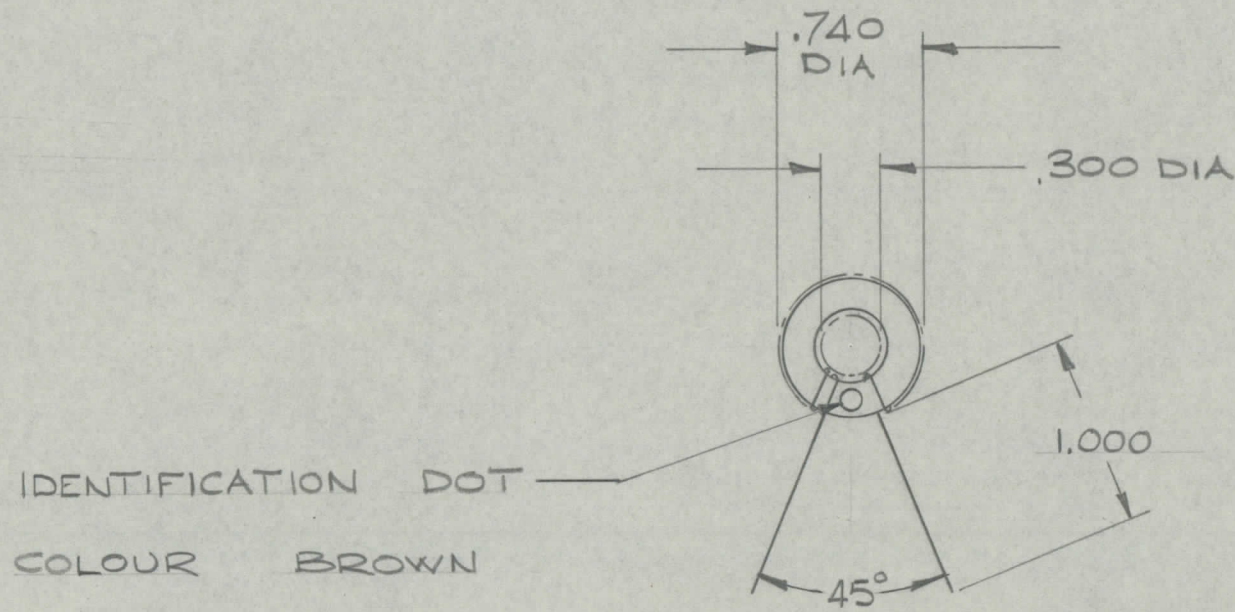
DIMENSIONS IN INCHES UNLESS OTHERWISE SPECIFIED

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

ISSUE	ITEM	CHANGED FROM	DATE	CN. NO.	DRAFTS	CHECKER	ENG. APP.
φ		PROD RELEASE	24 AUG 70				NH

REQ.	ITEM	PART NO.	DESCRIPTION	SYMBOL
------	------	----------	-------------	--------

φ  
CL10042-1-  
RCA



INDUCTANCE - 3.58  $\mu$ H  $\pm$  1%  
TYP SELF CAP - 1 pF

STOCK SIZE		TMC (Canada) LIMITED OTTAWA ONTARIO	
MATERIAL		COIL R.F.	
WEIGHT PER PC		SIMPSON	
TYPE & TEMPER		NH	
HEAT TREAT SPEC.		DRAWN	ELEC. DES. APP.
FINISH & SPEC. NO.		CHECKED	FINAL APPROVAL
		CL10042-1-RCA φ	

TOLERANCES UNLESS OTHERWISE SPECIFIED		SCALE: 1:1
ALL OTHERS	DEC. DIM. $\pm$ .015 FRAC. DIM. $\pm$ 1/64 ANGULAR DIM. $\pm$ 5°	DRILL, PUNCH, COMMERCIAL STOCK SIZES AND MANUFACTURERS TOLERANCES ARE NOT INCLUDED.

AMC-8	074/70	24 AUG 70
MODEL	PROJECT NO.	DATE
USED ON		

IF IT IS FOUND DESIRABLE TO CHANGE ANY TOLERANCE OR OTHER DETAIL SPECIFIED ON THIS DRAWING NOTIFY THE PURCHASER PROMPTLY.

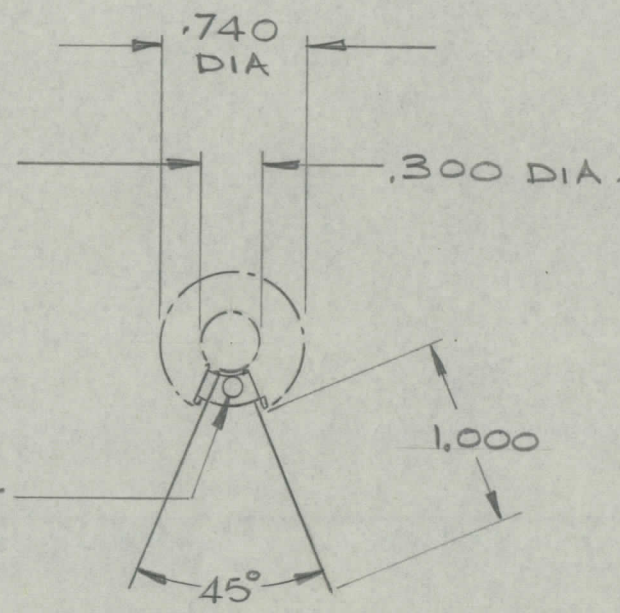
MAXIMUM ALLOWABLE TOLERANCES HAVE BEEN DETERMINED AND DEVIATIONS WILL BE CAUSE FOR REJECTION. REMOVE ALL BURRS AND SHARP EDGES.

DIMENSIONS IN INCHES UNLESS OTHERWISE SPECIFIED

ISSUE	ITEM	CHANGED FROM	DATE	CN. NO.	DRAFTS	CHECKER	ENG. APP.
Ø		REL TO PRODUCTION	24 AUG 70				

REQ.	ITEM	PART NO.	DESCRIPTION	SYMBOL
------	------	----------	-------------	--------

CL10042-1-RCA



IDENTIFICATION DOT  
COLOUR BROWN

INDUCTANCE - 3.58 µH ± 1%  
TYPICAL SELF CAP. - 1 pF

TOLERANCES UNLESS OTHERWISE SPECIFIED		SCALE:
ALL OTHERS	DEC. DIM. ± .015 FRAC. DIM. ± 1/64 ANGULAR DIM. ± 0°30'	1:1

AMC 8	074/69	24 AUG 70
MODEL	PROJECT NO.	DATE

STOCK SIZE		TMC (Canada) LIMITED OTTAWA ONTARIO	
MATERIAL		COIL R.F.	
TYPE & TEMPER		SIMPSON	
HEAT TREAT SPEC.		DRAWN	ELEC. DES. APP.
FINISH & SPEC. NO.		CHECKED	FINAL APPROVAL
		CL10042-1-RCA Ø	

USED ON

IF IT IS FOUND DESIRABLE TO CHANGE ANY TOLERANCE OR OTHER DETAIL SPECIFIED ON THIS DRAWING NOTIFY THE PURCHASER PROMPTLY.

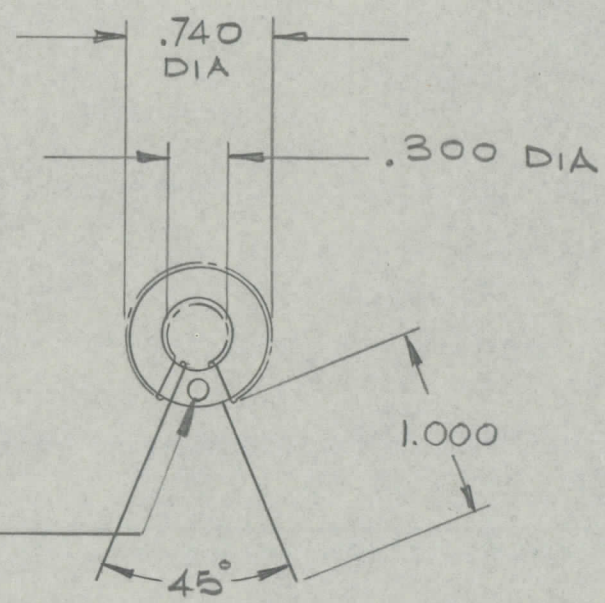
DIMENSIONS IN INCHES UNLESS OTHERWISE SPECIFIED

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

ISSUE	ITEM	CHANGED FROM	DATE	CN. NO.	DRAFTS	CHECKER	ENG. APP.
Ø		PROD RELEASE	23 AUG 70		<i>[Signature]</i>		<i>NH</i>

Ø  
CL10042-2  
-RCA

REQ.	ITEM	PART NO.	DESCRIPTION	SYMBOL
------	------	----------	-------------	--------



INDUCTANCE - 5.61 µH  
TYP SELF CAP - 1 pF

IDENTIFICATION DOT  
COLOUR RED

TOLERANCES UNLESS OTHERWISE SPECIFIED	SCALE: 1:1
ALL OTHERS DEC. DIM. ± 0.015 FRAC. DIM. ± 1/64 ANGULAR DIM. ± 5°	DRILL, PUNCH, COMMERCIAL STOCK SIZES AND MANUFACTURERS TOLERANCES ARE NOT INCLUDED.

AMC 8	074/70	23 AUG 70
MODEL	PROJECT NO.	DATE

STOCK SIZE		TMC (Canada) LIMITED OTTAWA ONTARIO		
MATERIAL		COIL RF		
WEIGHT PER PC.				
TYPE & TEMPER		<i>SIMPSON</i>	<i>NH</i>	<i>[Signature]</i>
HEAT TREAT SPEC.		DRAWN	ELEC. DES. APP.	MECH. DES. APP.
FINISH & SPEC. NO.		CHECKED	FINAL APPROVAL	
		CL10042-2-RCA Ø		

IF IT IS FOUND DESIRABLE TO CHANGE ANY TOLERANCE OR OTHER DETAIL SPECIFIED ON THIS DRAWING NOTIFY THE PURCHASER PROMPTLY.

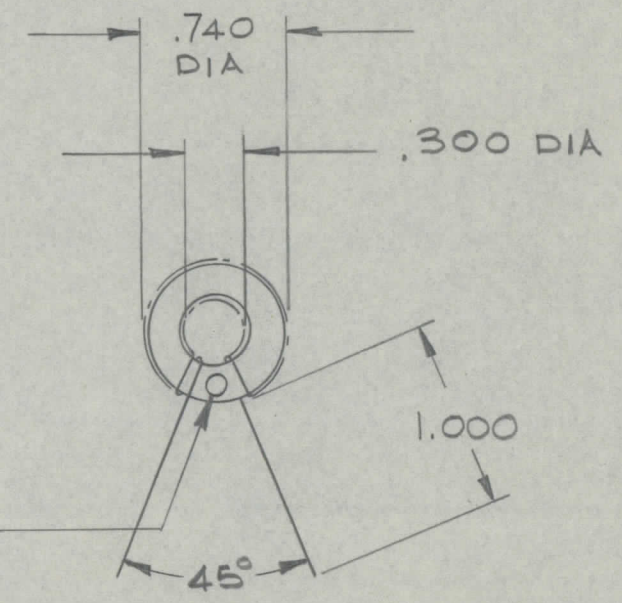
DIMENSIONS IN INCHES UNLESS OTHERWISE SPECIFIED

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

ISSUE	ITEM	CHANGED FROM	DATE	CN. NO.	DRAFTS	CHECKER	ENG. APP.
Ø		PROD RELEASE	25 AUG 70		B		NH

REQ.	ITEM	PART NO.	DESCRIPTION	SYMBOL
------	------	----------	-------------	--------

CL10042-3  
- RCA  
Ø



INDUCTANCE - 7.55  $\mu$ H  
TYP SELF CAP - 1 pF

IDENTIFICATION DOT  
COLOUR ORANGE

STOCK SIZE		TMC (Canada) LIMITED OTTAWA ONTARIO		
MATERIAL		COIL RF		
WEIGHT PER PC.				
TYPE & TEMPER		SIMPSON	NH	B
HEAT TREAT. SPEC.		DRAWN ELEC. DES. APP. MECH. DES. APP.		
FINISH & SPEC. NO.		CHECKED FINAL APPROVAL		
		CL10042-3-RCA Ø		

TOLERANCES UNLESS OTHERWISE SPECIFIED	SCALE: 1:1
ALL OTHERS	DRILL, PUNCH, COMMERCIAL STOCK SIZES AND MANUFACTURERS TOLERANCES ARE NOT INCLUDED.
DEC. DIM. $\pm .015$ FRAC. DIM. $\pm \frac{1}{64}$ ANGULAR DIM. $\pm .0005$	<del>XX = .01</del> <del>XXX = .005</del> <del>X = .05</del>

AMC 8	074/70		25 AUG 70
MODEL	PROJECT NO.	ASS'Y. NO.	DATE
USED ON			

IF IT IS FOUND DESIRABLE TO CHANGE ANY TOLERANCE OR OTHER DETAIL SPECIFIED ON THIS DRAWING NOTIFY THE PURCHASER PROMPTLY.

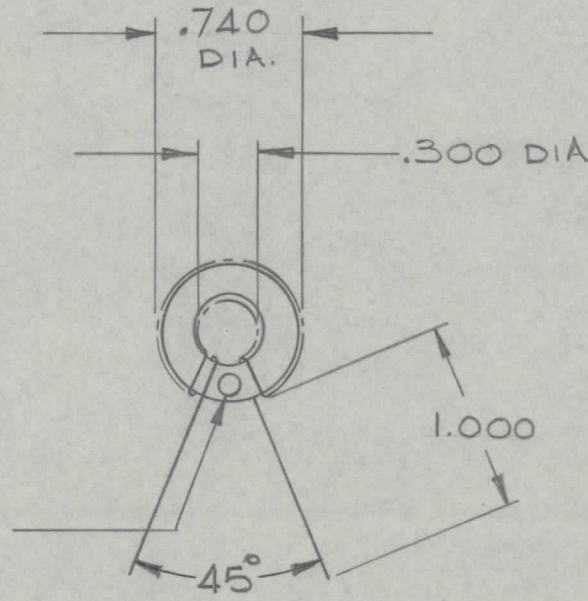
MAXIMUM ALLOWABLE TOLERANCES HAVE BEEN DETERMINED AND DEVIATIONS WILL BE CAUSE FOR REJECTION. REMOVE ALL BURRS AND SHARP EDGES.

DIMENSIONS IN INCHES UNLESS OTHERWISE SPECIFIED

REQ.	ITEM	PART NO.	DESCRIPTION	SYMBOL
------	------	----------	-------------	--------

ISSUE	ITEM	CHANGED FROM	DATE	CN. NO.	DRAFTS	CHECKER	ENG. APP.
φ		PROD RELEASE	25 AUG 70				NH

CL10042-4  
-RCA  
φ



IDENTIFICATION DOT  
COLOUR YELLOW

INDUCTANCE - 9.52  $\mu$ H  $\pm$ 1%  
TYP SELF CAP - 1pF

TOLERANCES UNLESS OTHERWISE SPECIFIED		SCALE: 1:1
ALL OTHERS	DEC. DIM. $\pm$ .015 FRAC. DIM. $\pm$ 1/64 ANGULAR DIM. $\pm$ .0005°	DRILL, PUNCH, COMMERCIAL STOCK SIZES AND MANUFACTURERS TOLERANCES ARE NOT INCLUDED.

AME 8	074/70	25 AUG 70
MODEL	PROJECT NO.	DATE

STOCK SIZE		TMC (Canada) LIMITED OTTAWA ONTARIO	
MATERIAL		COIL R.F.	
WEIGHT PER PC.			
TYPE & TEMPER		SIMPSON	NH
HEAT TREAT. SPEC.			
FINISH & SPEC. NO.		CHECKED	FINAL APPROVAL
		CL 10042-4-RCA φ	

IF IT IS FOUND DESIRABLE TO CHANGE ANY TOLERANCE OR OTHER DETAIL SPECIFIED ON THIS DRAWING NOTIFY THE PURCHASER PROMPTLY.

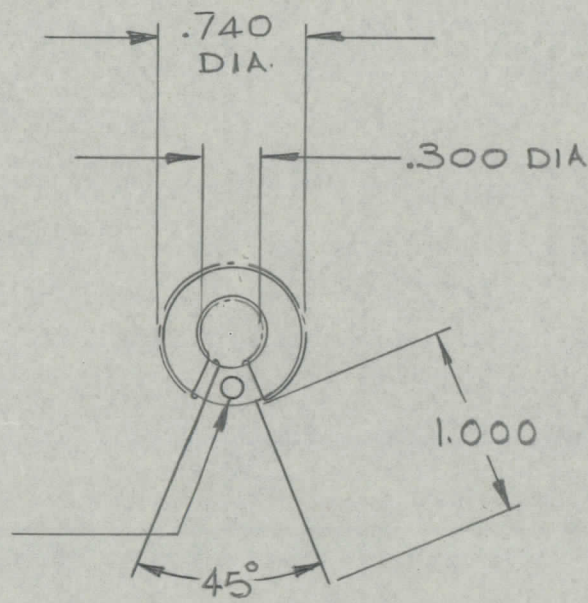
DIMENSIONS IN INCHES UNLESS OTHERWISE SPECIFIED

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

REQ.	ITEM	PART NO.	DESCRIPTION	SYMBOL
------	------	----------	-------------	--------

ISSUE	ITEM	CHANGED FROM	DATE	CN. NO.	DRAFTS	CHECKER	ENG. APP.
Ø		PROD RELEASE	24 AUG 70				NA

CL10042-5  
-RCA



IDENTIFICATION DOT  
COLOUR GREEN

INDUCTANCE - 29.2  $\mu$ H  $\pm$ 1%  
TYP SELF CAP - 2pF

STOCK SIZE		TMC (Canada) LIMITED OTTAWA ONTARIO		
MATERIAL		COIL R.F.		
WEIGHT PER PC.		SIMPSON		
TYPE & TEMPER		DRAWN	ELEC. DES. APP.	MECH. DES. APP.
HEAT TREAT SPEC.		CHECKED		
FINISH & SPEC. NO.		FINAL APPROVAL		
		CL 10042-5-RCA Ø		

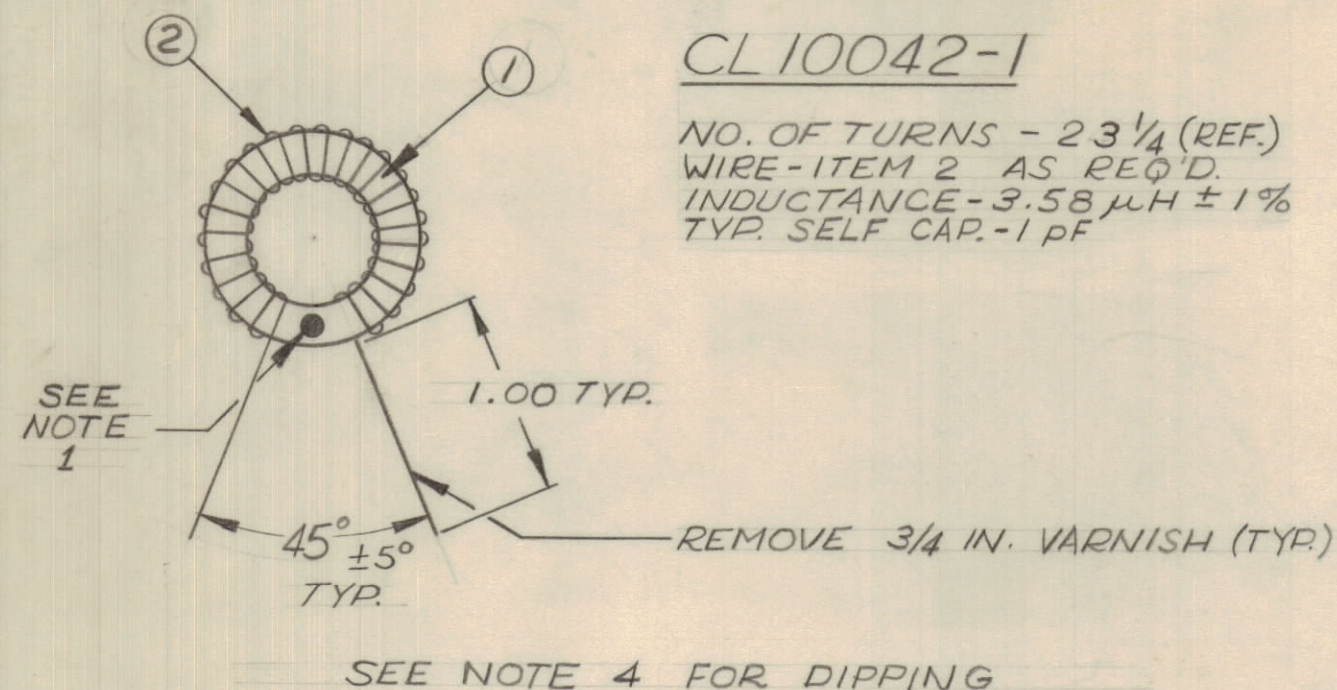
TOLERANCES UNLESS OTHERWISE SPECIFIED		SCALE: 1:1
ALL OTHERS	DEC. DIM. $\pm$ 015 FRAC. DIM. $\pm$ 64 ANGULAR DIM. $\pm$ 5°	DRILL, PUNCH, COMMERCIAL STOCK SIZES AND MANUFACTURERS TOLERANCES ARE NOT INCLUDED.

MODEL	PROJECT NO.	ASS Y. NO.	DATE
AMC 8	074/70		24 AUG 70

IF IT IS FOUND DESIRABLE TO CHANGE ANY TOLERANCE OR OTHER DETAIL SPECIFIED ON THIS DRAWING NOTIFY THE PURCHASER PROMPTLY.		DIMENSIONS IN INCHES UNLESS OTHERWISE SPECIFIED					
MAXIMUM ALLOWABLE TOLERANCES HAVE BEEN DETERMINED AND DEVIATIONS WILL BE CAUSE FOR REJECTION. REMOVE ALL BURRS AND SHARP EDGES.							
ISSUE	ITEM	CHANGED FROM	DATE	CN. NO.	DRAFTS	CHECKER	ENG. APP.
B		REV + REDRAWN AS PER SPEC.	FEB 18/69	444	AP		K.N.
C		REV AS PER CEMN	FEB 26/69	450	AP		J.W.

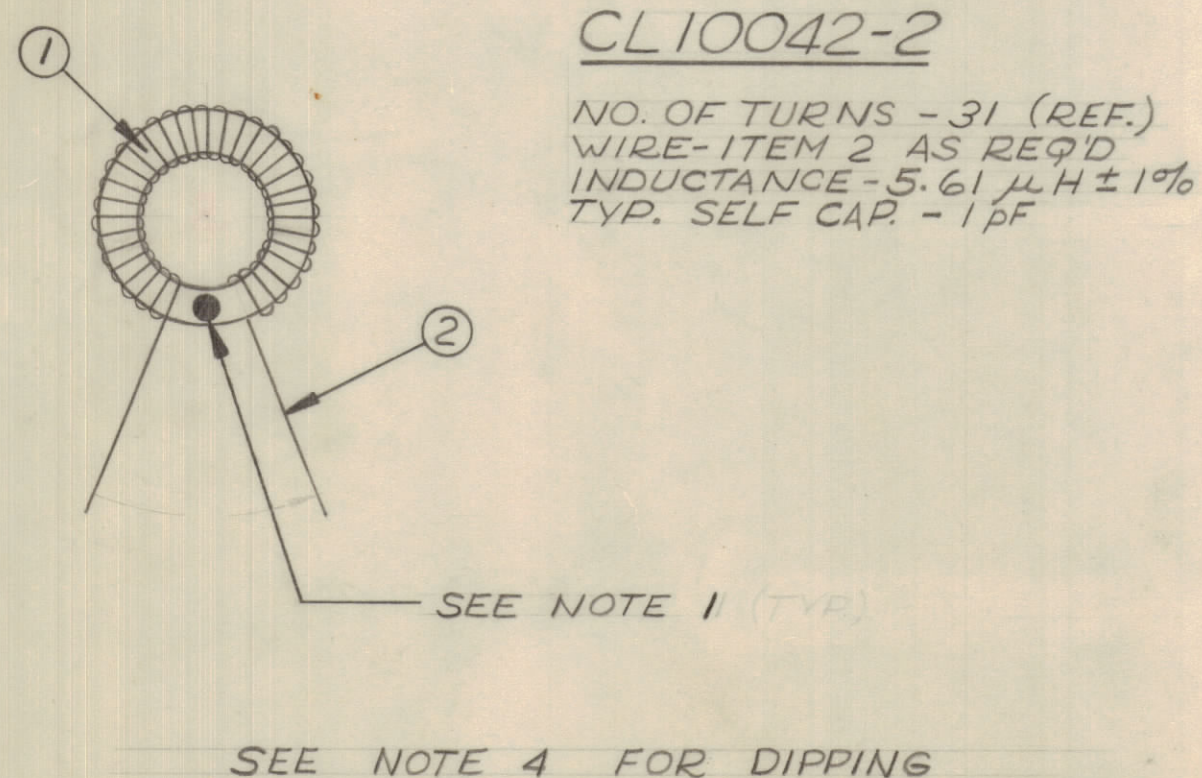
TEST SPECIFICATION:-

RESONATE WITH A 109 pF (ZERO METER AT ABOUT +10 pF) CAPACITOR AT 8 MHz, USING AN "RX" METER AND A COUNTER.



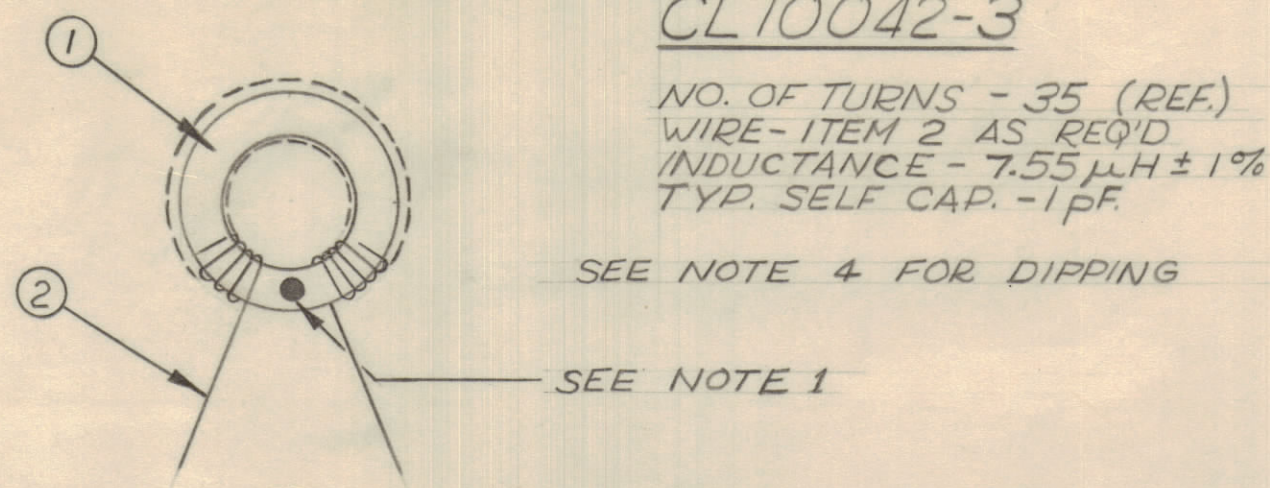
TEST SPECIFICATION:-

RESONATE WITH A 69.5 pF CAPACITOR AT 8 MHz USING AN "RX" METER AND A COUNTER



TEST SPECIFICATION:-

RESONATE WITH A 52 pF CAPACITOR AT 8 MHz, USING AN "RX" METER AND A COUNTER.

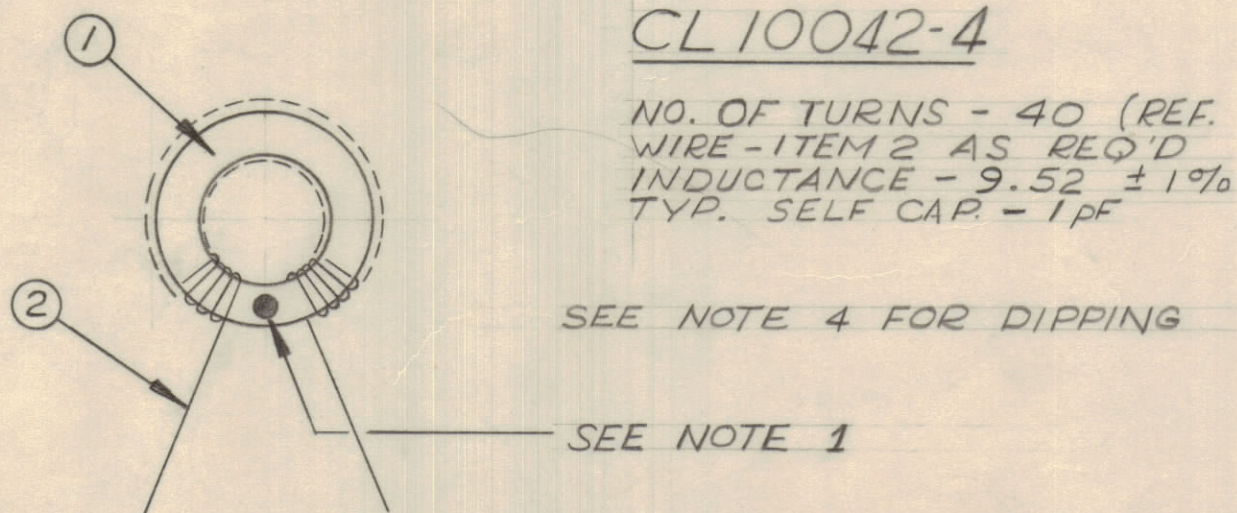


PRE-VARNISH TEST SPECIFICATION:-

RESONATE WITH THE STANDARD 1300 pF CAPACITOR AT 1.43 MHz. USING AN "RX" METER AND A COUNTER.

FINAL TEST:-

- 1 RESONATE WITH A SELECTED 1300 pF CAPACITOR AT 1.43 MHz ± 1 KHz USING AN "RX" METER AND A COUNTER
- 2 PACKAGE THE TESTED COIL AND THE 1300 pF CAPACITOR SELECTED DURING TEST, AS A MATCHED SET.

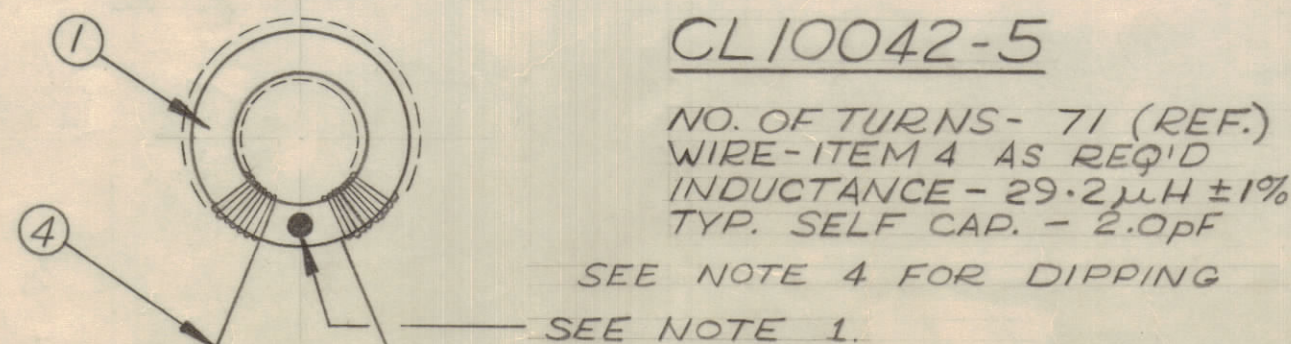


PRE-VARNISH TEST SPECIFICATION:-

RESONATE WITH THE STANDARD 820 pF CAPACITOR AND 59 pF SET ON C.P. DIAL AT 991.5 KHz WITH AN "RX" METER AND A COUNTER.

FINAL TEST:-

- 1 RESONATE WITH A SELECTED 820 pF CAPACITOR AND 59 pF SET ON C.P. DIAL AT 991.5 KHz ± 1 KHz WITH AN "RX" METER AND A COUNTER.
- 2 PACKAGE THE TESTED COIL AND THE 820 pF CAPACITOR SELECTED DURING TEST AS A MATCHED SET.



REQ.	ITEM	PART NO.	DESCRIPTION	SYMBOL
	1	CI 10012-768-2	CORE, THOROID	
	2	WI 123-24	WIRE, MAGNET	
	3	QL 104-2	INSULATING, VARNISH	
	4	WI 122-30	WIRE, MAGNET	

NOTES:-

CL10042 C

- 1 MARK COIL WITH A .125 DIA. COLOURED DOT IN POSITION INDICATED -  
 CL 10042-1 BROWN CL10042-4 YELLOW  
 " -2 RED " -5 GREEN  
 " -3 ORANGE
- 2 WIND COIL WITH TURNS EVENLY SPACED OVER INDICATED LENGTH.
- 3 TEST AND ADJUST AS PER SPECIFICATION
- 4 AFTER ADJUSTING DIP IN INSULATING VARNISH (ITEM 3) AND BAKE FOR ONE HOUR AT 125°C AND COOL AT -20°C FOR ONE HOUR.
- 5 FINAL TEST TO VALUES STATED AND APPLY A TOLERANCES OF :-  
 CL10042-1 - ± 1 pF  
 CL10042-2 - ± 0.5 pF  
 CL 10042-3 - ± 0.5 pF
- 6 USE AN "RX" METER AND A COUNTER FOR MEASUREMENTS DURING TEST. COUNTER TO BE USED TO DETERMINE FREQUENCY.

TOLERANCES		SCALE:
ALL	DEC. DIM. ± .01	DRILL, PUNCH, COMMERCIAL STOCK SIZES AND MANUFACTURERS TOLERANCES ARE NOT INCLUDED.
OTHERS	FRAC. DIM. ± 1/64	
	ANGULAR DIM. ± 0° 30'	

AMC 8	074/69	FEB 18/69
MODEL	PROJECT NO.	DATE

STOCK SIZE		TMC (Canada) LIMITED OTTAWA ONTARIO	
MATERIAL		COIL, R.F.	
TYPE & TEMPER	AP	K.N.	
HEAT TREAT. SPEC.	CHECKED	FINAL APPROVAL	
FINISH & SPEC. NO.		CL10042 C	