

REQ. PER UNIT	USED ON	DATE
1	MODEL LPC-1	12.14.1964
	ABBY. NO.	

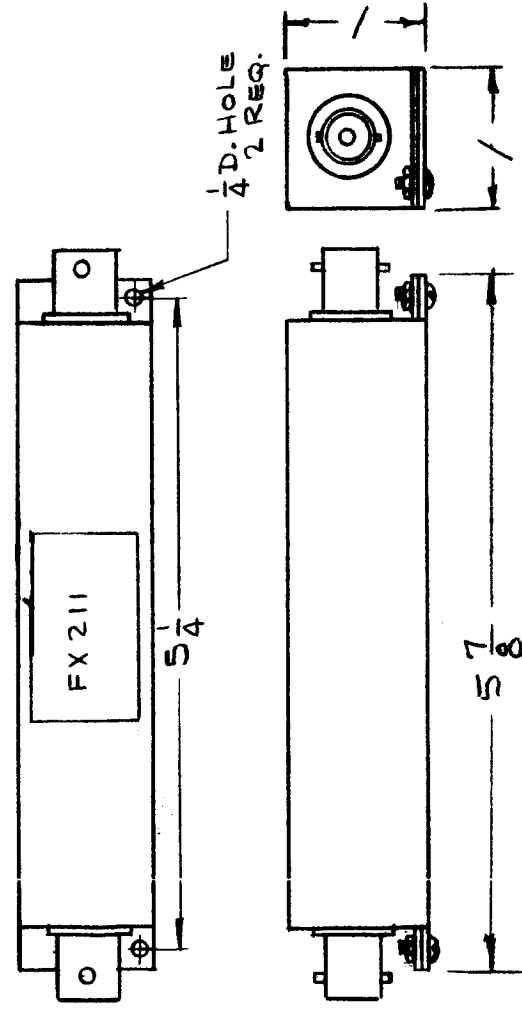
FX211

A

SPECIFICATIONS

1. PASSBAND: DC - 40Kc
2. 3db FREQUENCY: 41.5Kc±2.5Kc
3. STOP BAND: 44Kc - 40Mc
4. INSERTION LOSS: LESS THAN 0.5db TO 31.5Kc
5. ATTENUATION: 70db AT 140Kc
6. INSERTION VSWR: LESS THAN 1.10:1
7. IMPEDANCE: 50 OHM INPUT AND OUTPUT, NOMINAL
8. TEMPERATURE: 0 - 50°C
9. HUMIDITY: 0 - 100%
10. SIZE: 1" X 1" X 4.5"
11. WEIGHT: 6 OUNCES
12. CONNECTORS: BNC
13. MAXIMUM INBAND SIGNAL LEVEL: 35VRMS
14. MAXIMUM OUT OF BAND SIGNAL LEVEL: 70VRMS
15. CASE FINISH: TMC SMOOTH GRAY ENAMEL.

WILL OPERATE INTO A VSWR AS HIGH AS 2.0:1



REQ. ITEM	PART NO.	DESCRIPTION	SYMBOL
		THE TECHNICAL MATERIEL CORP. MAMARONECK. NEW YORK	
		LOW PASS FILTER (RECEIVER 40Kc)	
		TYPE & TEMPER	DRAWN
		HEAT TREAT. SPEC.	CHECKED
		MATERIAL	FINAL APPROVAL
		FINISH & SPEC. NO.	
		ELEC. DES. APP.	
		MECH. DES. APP.	
			FX211
			A

SCALE NONE

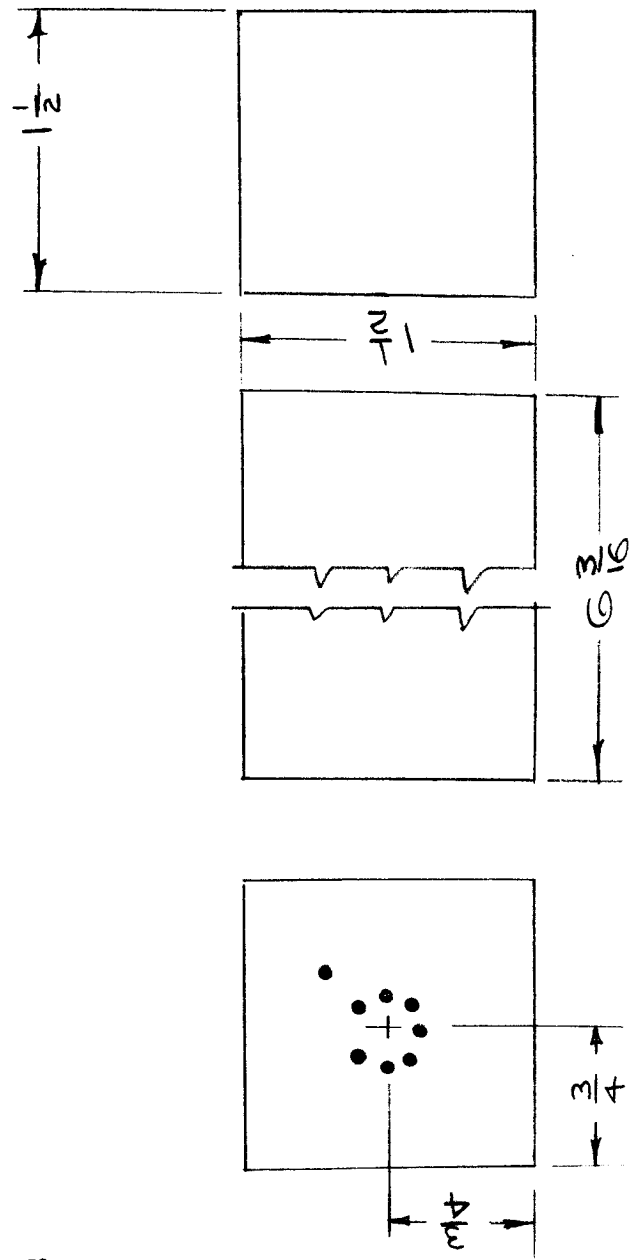
CODE A

TOLERANCES
 DECIMALS
 .X ± .05
 .XX ± .01
 .XXX ± .005

FRACTIONS
 ± 1/64
 ANGLES
 ± 0° 30'

REQ. PER UNIT	MODEL	USED ON
	RASB-1	ASS'Y. NO.
		DATE
		FX 244

MFG. PART NUMBER	FREQ. CPS
S 73083	420
S 73084	540
S 73085	660
S 73086	780
S 73087	900
S 73088	1020
S 73089	1140
S 73090	1260
S 73091	1380
S 73092	1500
S 73093	1620
S 73094	1740
S 73095	1860
S 73096	1980
S 73097	2100
S 73098	2220
S 73099	2340
S 73100	2460
S 73101	2580
S 73102	2700
S 73103	2820
S 73104	2940
S 73105	3060
S 73106	3180
S 73107	3300



NOMENCLATURE WILL BE IN FOLLOWING FORM

FX 244 — 1980
TMC FREQ.
BASIC IN
CPS

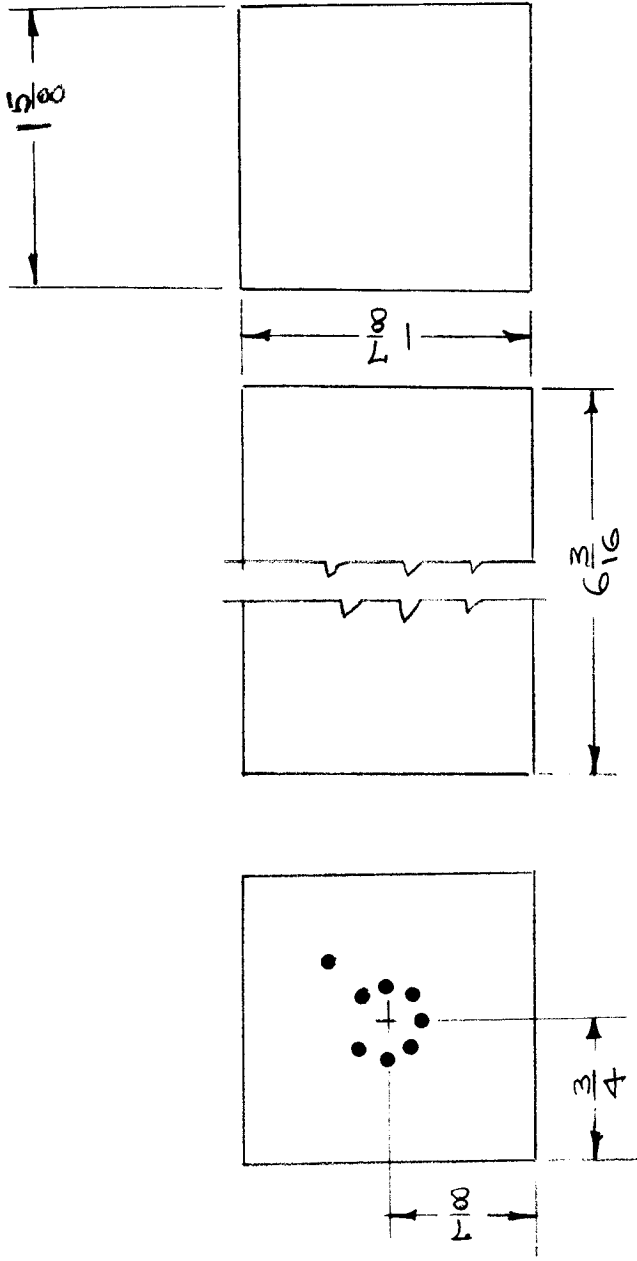
REQ. ITEM	PART NO.	DESCRIPTION	SYMBOL
		THE TECHNICAL MATERIEL CORP. MAMARONECK. NEW YORK	
		FILTER, TRANSMIT, BANDPASS	
		100 BAUD	
		MATERIAL	
		HEAT TREAT. SPEC.	
		CHECKED	
		DRAWN	
		FINAL APPROVAL	
		FINISH & SPEC. NO.	
		ELEC. DES. APP. MECH. DES. APP.	
		FX 244	

REQ. PER UNIT	MODEL	USED ON	FX 245
	RASB-1	ASSY. NO.	
		DATE	

FREQ. CPS

MFG. PART NUMBER

- S 74279 420
- S 74280 540
- S 74281 660
- S 74282 780
- S 74283 900
- S 74284 1020
- S 74285 1140
- S 74286 1260
- S 74287 1380
- S 74288 1500
- S 74289 1620
- S 74290 1740
- S 74291 1860
- S 74292 1980
- S 74293 2100
- S 74294 2220
- S 74295 2340
- S 74296 2460
- S 74297 2580
- S 74298 2700
- S 74299 2820
- S 74300 2940
- S 74301 3060
- S 74302 3180
- S 74303 3300



NOMENCLATURE WILL BE IN FOLLOWING FORM

FX 245 — 2220
 TMC BASIC
 FREQ. IN CPS

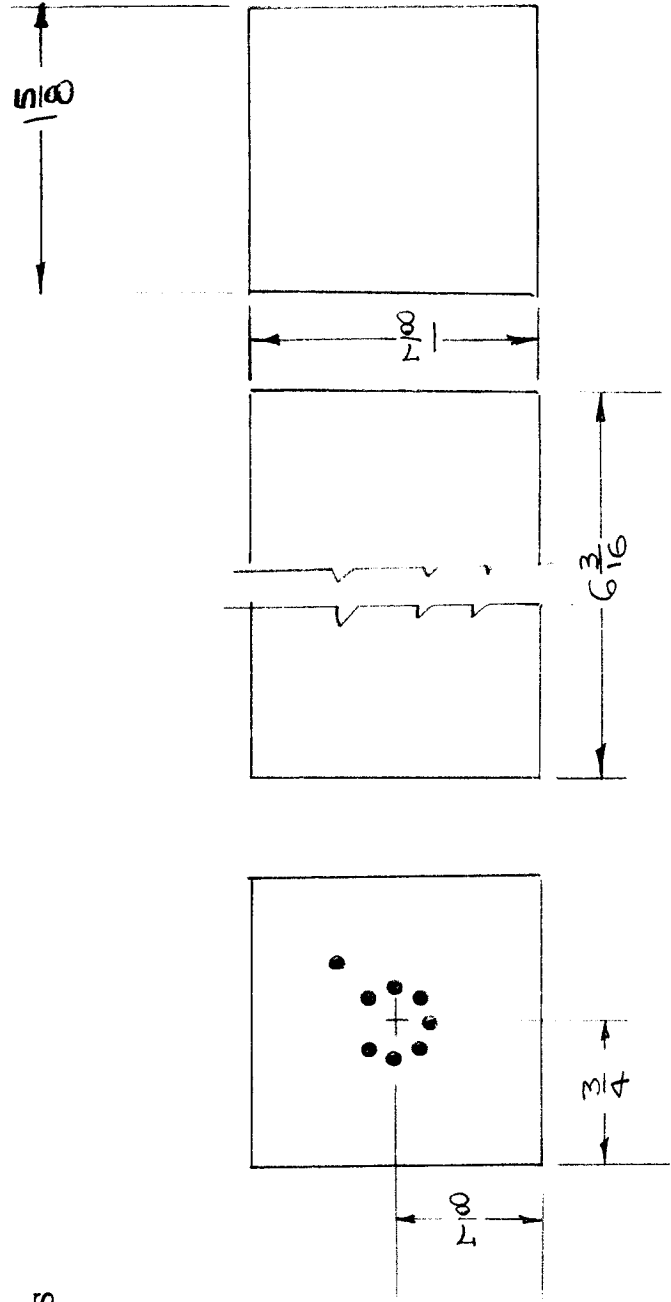
NOTE: PLUGS INTO TS 102, 7 PIN SOCKET

REQ. ITEM	PART NO.	DESCRIPTION	SYMBOL
		THE TECHNICAL MATERIEL CORP. MAMARONECK. NEW YORK	
		FILTER, TRANSMIT, BANDPASS	
		50 BAUD	
		MATERIAL	
		TYPE & TEMPER	
		HEAT TREAT. SPEC.	
		DRAWN	
		CHECKED	
		FINAL APPROVAL	
		FINISH & SPEC. NO.	FX 245
		ELEC. DES. APP.	
		MECH. DES. APP.	

REQ. PER UNIT	MODEL	USED ON	FX 246
	RARB-1	ASSY. NO.	
		DATE	

FREQ. CPS
MFG. PART NUMBER

- S 74870 420
- S 73871 540
- S 74872 660
- S 74873 780
- S 74874 900
- S 74875 1020
- S 74876 1140
- S 74877 1260
- S 74878 1380
- S 74879 1500
- S 74880 1620
- S 74881 1740
- S 74882 1860
- S 74883 1980
- S 74884 2100
- S 74885 2220
- S 74886 2340
- S 74887 2460
- S 74888 2580
- S 74889 2700
- S 74890 2820
- S 74891 2940
- S 74892 3060
- S 74893 3180
- S 74894 3300



NOMENCLATURE WILL BE IN FOLLOWING FORM

FX 246 — 2220
 BASIC DWG. — — — — —
 7 — — — — —
 FREQ. IN CPS

NOTE: PLUGS INTO TS 102, 7 PIN SOCKET

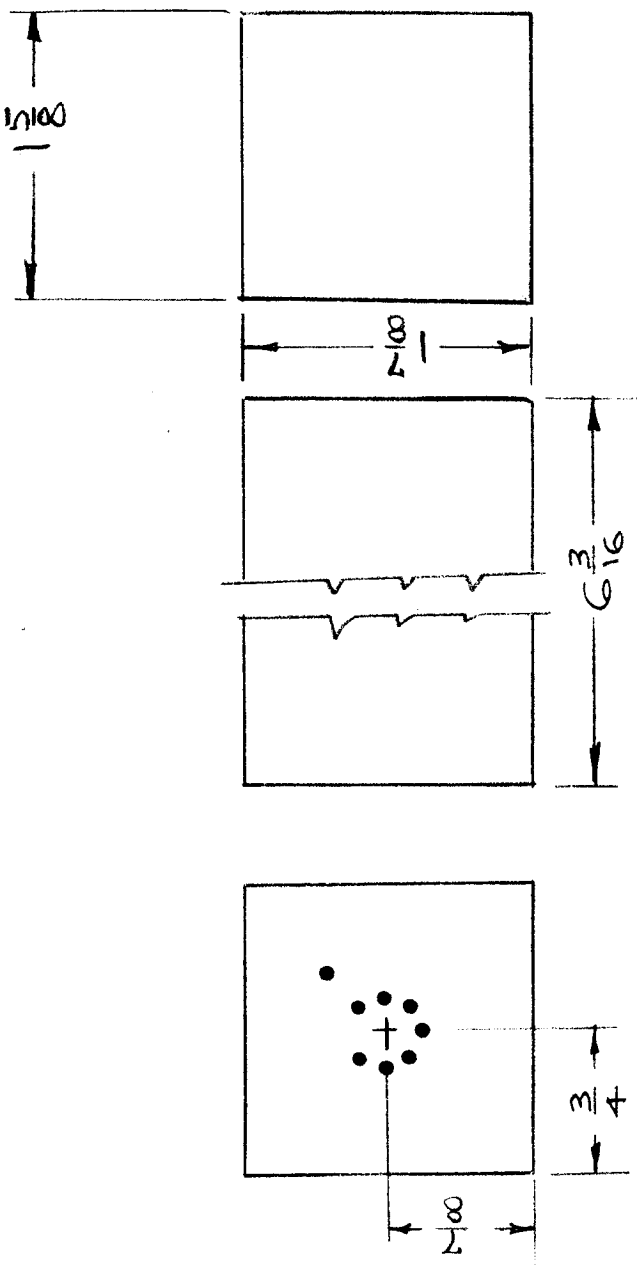
REQ. ITEM	PART NO.	DESCRIPTION	SYMBOL
		THE TECHNICAL MATERIEL CORP. MAMARONECK. NEW YORK	
		FILTER, RECEIVE, BANDPASS	
		50 BAUD	
		MATERIAL	
		50 BAUD	
		DRAWN	
		CHECKED	
		HEAT TREAT. SPEC.	
		TYPE & TEMPER	
		FINISH & SPEC. NO.	
		ELEC. DES. APP.	
		MECH. DES. APP.	
		FX 246	
		FINAL APPROVAL	

REQ. PER UNIT	MODEL	USED ON	FX 247
	RARB-1	ASSY. NO.	
		DATE	

FREQ. CPS

MFG. PART NUMBER

- S 73061A 420
- S 73062A 540
- S 73063A 660
- S 73064A 780
- S 73065A 900
- S 73066A 1020
- S 73067A 1140
- S 73068A 1260
- S 73069A 1380
- S 73070A 1500
- S 73071A 1620
- S 73072A 1740
- S 73073A 1860
- S 73074A 1980
- S 73075A 2100
- S 73076A 2220
- S 73077A 2340
- S 73078A 2460
- S 73079A 2580
- S 73080A 2700
- S 73081A 2820
- S 73082A 2940
- S 79415A 3060
- S 79416A 3180



NOMENCLATURE WILL BE IN FOLLOWING FORM

FX 247 — 1980
 TMC —
 BASIC —
 FREQ. IN CPS

NOTE: PLUGS INTO TS 102, 7 PIN SOCKET

REQ. ITEM	PART NO.	DESCRIPTION	SYMBOL
		THE TECHNICAL MATERIEL CORP. MAMARONECK, NEW YORK	
		FILTER, RECEIVE, BANDPASS	
		100 BAUD	
		MATERIAL	
		TYPE & TEMPER	
		HEAT TREAT. SPEC.	
		DRAWN	
		CHECKED	
		FINAL APPROVAL	
		FINISH & SPEC. NO.	
		ELEC. DES. APP.	
		MECH. DES. APP.	
		FX 247	

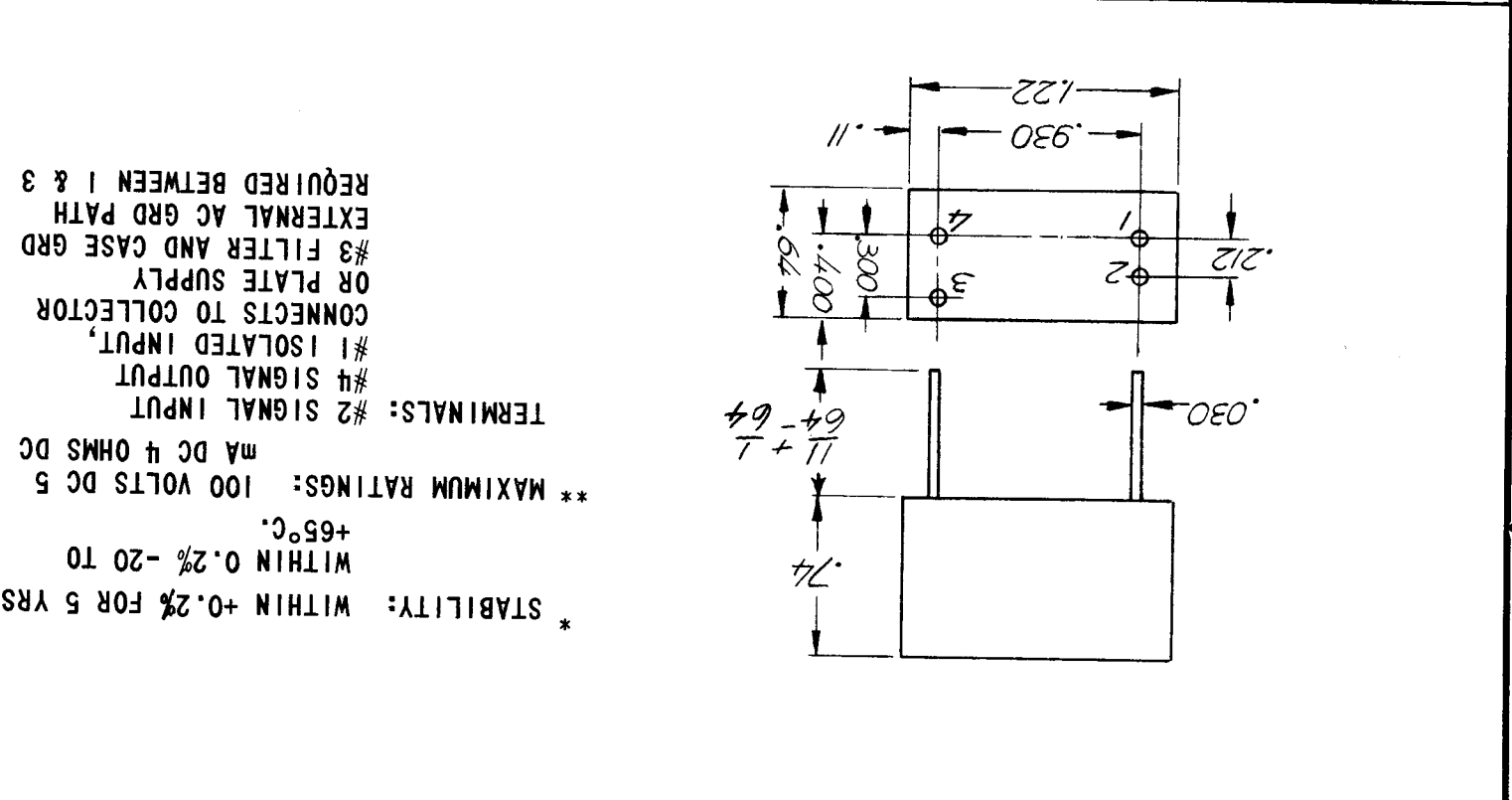
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SCALE OF SHEET
 SIZE A
 CODE IDENT. NO. 82679
 DWG. NO. FX 289
 ISSUE Δ

5401-368
 DRAWN DATE 1/13/69
 CHECKED DATE 1-13-69
 FINISH
 ELECT. DES. DATE
 MECH. DES. DATE
 MATERIAL
 FINAL APPROVAL DATE
 THE TECHNICAL MATERIEL CORP. MAMARONECK, NEW YORK

LIST OF MATERIAL

REQ'D ITEM	PART NUMBER	DESCRIPTION	SYM.
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TMC P/N	MFG NUMBER	* CENTER FREQUENCY	BANDWIDTH		INSERTION LOSS	STOPBAND REJECTION	IMPEDANCE (KILOMS)
			6dB MIN	60dB MAX			
FX289-1	TCF4-4D10A	455kHz ±1.0	4kHz	10kHz	10dB	60dB	40
-2	TCF4-8D20A	455kHz ±1.0	8kHz	20kHz	8dB	60dB	40
-3	TCF4-12D36A	455kHz ±1.0	12kHz	36kHz	6dB	60dB	40
-4	TCF4-18G38A	455kHz ±1.5	18kHz	38kHz	6dB	50dB	40
-5	TCF6-30D55A	455kHz ±2.0	30kHz	55kHz	5dB	60dB	20
-6	TCF6-35D60A	455kHz ±2.0	35kHz	60kHz	5dB	60dB	20

APPLICATION

QTY MODEL USED ON ASS'Y NO. LTR DESCRIPTION DATE E.M.N.NO DRAFT CHKD APPD

MTR-1

X EXPERIMENTAL RELEASE 1/13/69

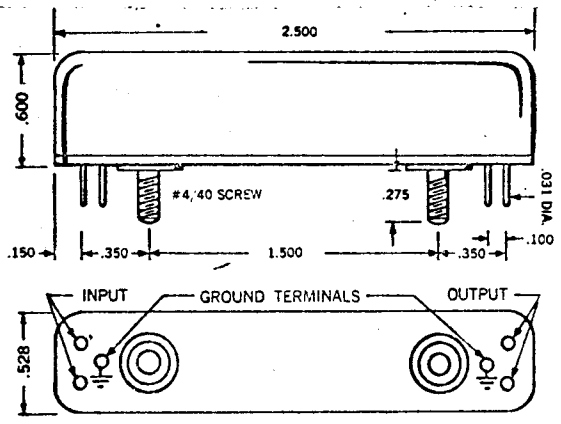
Ø ORIG. RELEASE FOR PROD.

Δ REV & UPDATED 2-1769/19308 GE

REVISIONS

APPLICATION			REVISIONS						
QTY	MODEL USED ON	ASS'Y NO.	LTR	DESCRIPTION	DATE	E.M.N.NO	DRAFT	CHKD	APPD
	MTR-1		X	EXPERIMENTAL RELEASE	1/7/69			CV	
			0	RIG REPAIR	1-9-69			CV	AG
			A	REVISED & UPDATED	3/12/69	19354		CV	J. De OP

MFR. (TMC CODE NO.): S401-228
MFR. PART NUMBER: F455FA-21



Specifications

Center frequency 455 KHz nominal
Frequency response:
Bandwidth, 6 DB attenuation . . 2.1 KHz nominal
Bandwidth, 60 DB
attenuation 5.3 KHz maximum
Resonating capacity
including circuit 130 pf ± 5pf
DC voltage: 300 vdc maximum potential between
terminals and ground.
Source and load impedance 100,000 ohms
Case: Molded Phenolic

UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES AND INCLUDE CHEMICALLY APPLIED OR PLATED FINISHES		REQ'D	ITEM	PART NUMBER	DESCRIPTION	SYM.
DECIMALS: .X ± .05, .XX ± .01, .XXX ± .005 FRACTIONS: 1/64, ANGLES: 0°-30'		POSE LIST OF MATERIAL				
MATERIAL		FINAL APPROVAL	DATE	THE TECHNICAL MATERIEL CORP.		
FINISH		MECH. DES.	DATE	MAMARONECK, NEW YORK		
		ELECT. DES.	DATE	FILTER, MECHANICAL, 455 MHz		
		CHECKED	DATE			
		DRAWN	DATE			
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				A	82679	A
				SCALE	DWG NO.	SHEET OF
					FX 290	