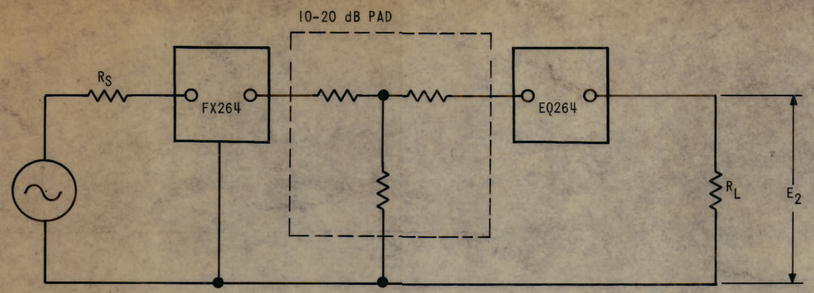
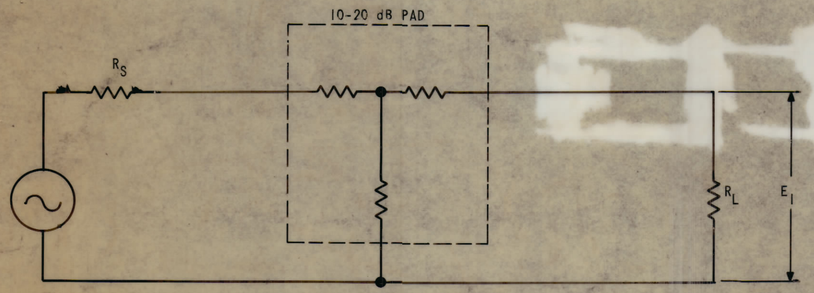
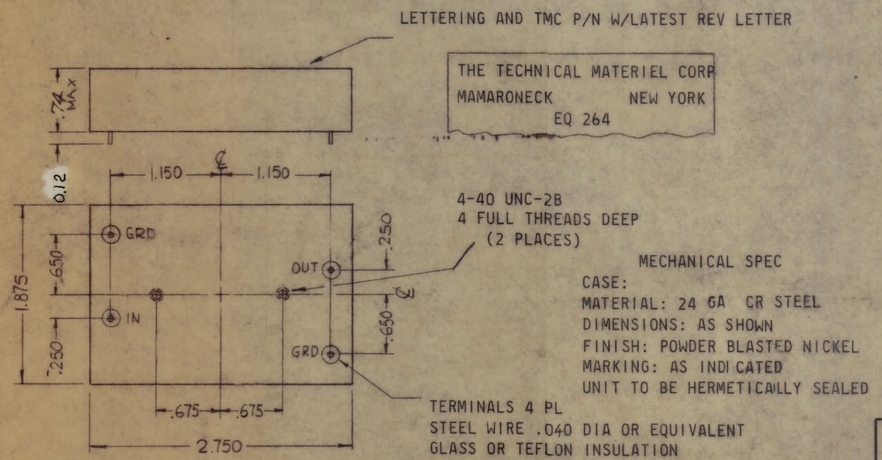




*THIS UNIT MUST BE MATCHED BY MFR SERIES NO. WITH FX264 & BOTH TESTED AS A PAIR



MECHANICAL SPEC
CASE:
MATERIAL: 24 GA CR STEEL
DIMENSIONS: AS SHOWN
FINISH: POWDER BLASTED NICKEL
MARKING: AS INDICATED
UNIT TO BE HERMETICALLY SEALED

QTY / UNIT	MODEL USED ON	ASS'Y NO.
1	MSAR-4	

APPLICATION
CODE A S401-451

REVISIONS

ZONE	LTR	DESCRIPTION	DATE	E.M.N.NO	DRAFT	CHKD	APPD
	X	EXP. RELEASE	3-3-67				
	X1	SPECS. CLARIFIED	4-5-67		G.DL		
	Ø	ORIG RELEASE FOR PRODUCTION	6-15-67	Ø	RG		
	A	.74 DIM. WAS .670 .22 STEEL PIN DIM WAS .120 .040 GAUGE DIA WAS .030	1-29-69	19219	GE		
	B	SPECS COMPLETELY REVISED	9-9-69	19595	KH		
	C	REVISED SCHEMATIC	2-2-70	19748	KD		
	D	CHG. TERM. LENGTH	7-6-71	20420	RF		

*OVERALL SPECIFICATION OF EQ264 EQUILIZER AND FX264 FILTER

1. dB MEASUREMENTS: ALL dB MEASUREMENTS ARE RELATIVE TO MAXIMUM SIGNAL RESPONSE IN THE PASSBAND
2. -1 dB POINTS: ≧244.070 KCS AND ≦246.740 KC
3. -60dB POINTS: NOT LOWER THAN 243.680 KCS AND NOT HIGHER THAN 246.970 KCS
4. RIPPLE: 0.4 dB MAX BETWEEN 244.130 KC AND 246.700 KC
5. ALL SPURIOUS RESPONSES AND RETURN LOBES AT LEAST 60dB DOWN BETWEEN 200KCS AND 5000KCS
6. OVERALL MAXIMUM ENVELOPE DELAY DISTORTION TO BE LESS THAN 500 uS BETWEEN 244.090 KC & 246.630 KC AND NOT MORE THAN 1000μS BETWEEN 246.640 KC AND 246.730 KC

PARTICULAR SPECIFICATIONS

1. TYPE: OUTER, LOWER SIDEBAND EQUALIZER
2. INSERTION LOSS 4 dB MAX
3. SOURCE AND LOAD IMPEDANCE: 500 5% OHMS
4. OPERATING TEMPERATURE: 0 DEGREES TO 65 DEGREES C
5. THIRD ORDER, IN-BAND INTERMODULATION DISTORTION WILL BE AT LEAST 65 dB DOWN FROM THE REFERENCE LEVEL OF EITHER OF TWO EQUAL 100 mv TONES IN THE FILTER PASSBAND, SELECTED IN A MANNER SUCH THAT THE THIRD ORDER-PRODUCT FALLS IN THE FILTER PASSBAND
6. MAXIMUM SIGNAL INPUT: 3 VOLTS rms
7. NON OPERATING TEMP RANGE: -62 DEGREES TO 75 DEGREES C
8. PEAK SHOCK CAPABILITY: 20 G WITHIN A PERIOD OF 10 MILLISECONDS APPLIED ALONG THREE MUTUALLY PERPENDICULAR AXES
9. VIBRATION CAPABILITY: 5 CPS TO 50 CPS AT AN AMPLITUDE OF 1.3 G

INSERTION LOSS IS DEFINED AS 20 LOG A, WHERE $A=|E_1|/|E_2|$, R_s = SOURCE IMPEDANCE, R_L = LOAD IMPEDANCE SEE SKETCH. Eo IS FIXED AT ANY FREQUENCY IN THE PASSBAND OF THE FILTER

MARKING PROCESS: AS PER TMC SPECIFICATION S727
LETTERING: 1/8 HIGH BLACK GOTHIC, LOCATED AS SHOWN

QTY. REQ.	ITEM	PART NO.	DESCRIPTION	SYMBOL

R.HOGAN — LIST OF MATERIAL

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

TOLERANCES ON
DECIMALS .X ± .05, .XX ± .01, .XXX ± .005
FRACTIONS ± 1/64
ANGLES ± 0° 30'

MATERIAL

FINISH

FINAL APPROVAL		DATE 6/15/67
MECH. DES.		DATE
ELECT. DES.		DATE
CHECKED		DATE 6-15-67
DRAWN		DATE 3-3-67
M/L		6/15/67

THE TECHNICAL MATERIEL CORP.
MAMARONECK, NEW YORK

BANDPASS EQUALIZER
CHANNEL B2

SIZE	CODE IDENT. NO.	DWG NO.	ISSUE
C	82679	EQ264	D

SCALE 1:1 SHEET OF

EQ264 D

FCI-10-170 (10-69)