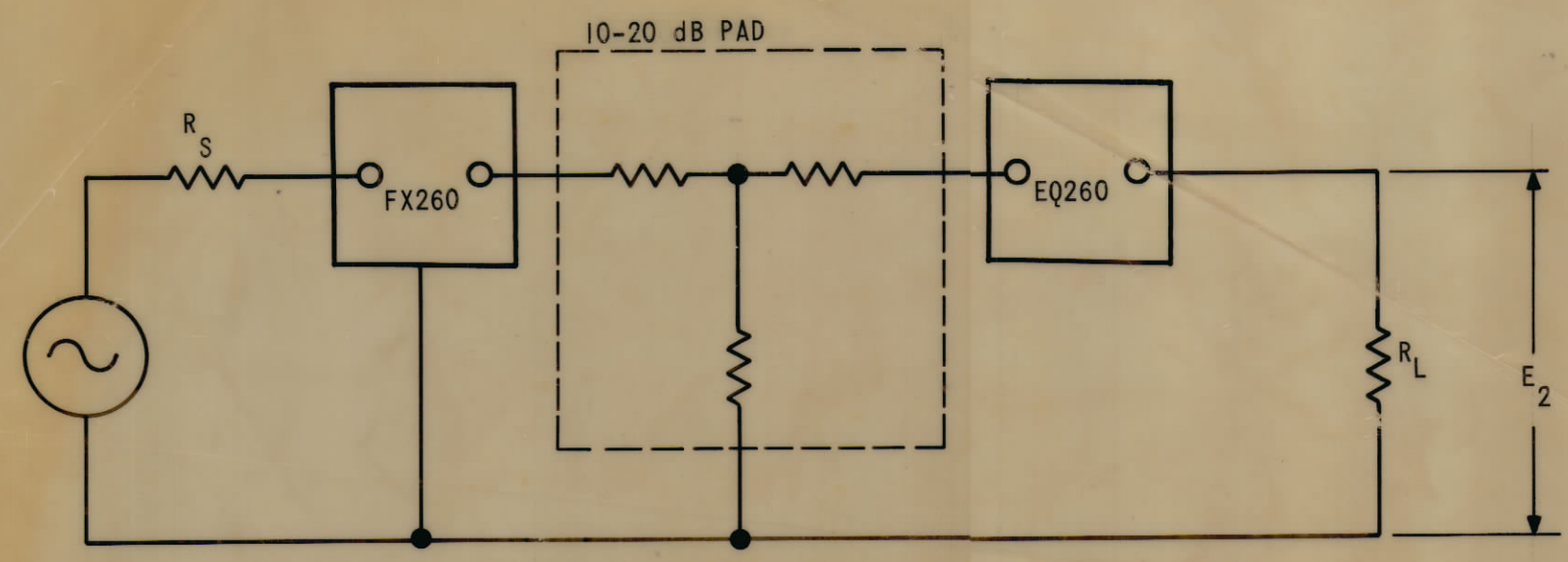
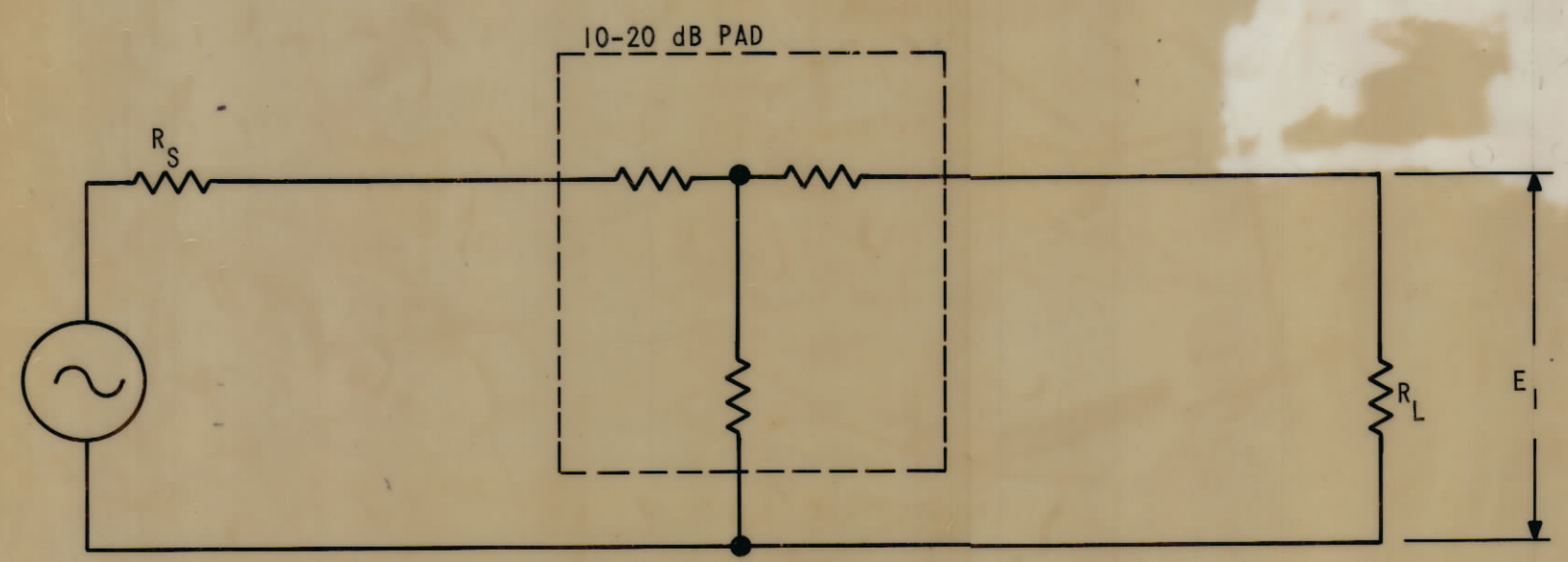


REVISIONS						
ZONE	LTR	DESCRIPTION	DATE	E.M.N.NO	DRAFT	CHKD APPD
	X	EXP RELEASE	3-3-67			MS
	X1	SPECS. CLARIFIED	4-5-67		G.D.L.	
	Ø	ORIG RELEASE FOR PRODUCTION	6-15-67		P.C.	
	A	REVISED PICT. DIM.	2-1-69	19312	GE	MS
	B	SPECS COMPLETELY REVISED	9-9-69	19595	K.H.	MS
	C	REVISED SCHEMATIC	4-2-70	19748	K.D.	MS
	D	CHG. TERM. LENGTH	7-6-71	20240	R.F.	MS

D



C



*THIS UNIT MUST BE MATCHED BY MFR SERIES NO. WITH FX260 & BOTH TESTED AS A PAIR

* OVERALL SPECIFICATIONS OF EQ260 EQUALIZER AND FX260 FILTER

1. dB MEASUREMENTS: ALL dB MEASUREMENTS ARE RELATIVE TO MAXIMUM SIGNAL RESPONSE IN THE PASSBAND
2. -1 dB POINTS: ≤ 246.970 KC AND ≥ 249.740 KC
3. -60 dB POINT : ≥ 246.740 KC AND - 55dB AT 250.000 KC
4. RIPPLE: 0.4 dB MAX BETWEEN 247.025 KC AND 249.700 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 μ S BETWEEN 247.080 AND 249.620 KC AND NOT GREATER THAN 1000 μ S BETWEEN 247.070 KC AND 246.980 KC

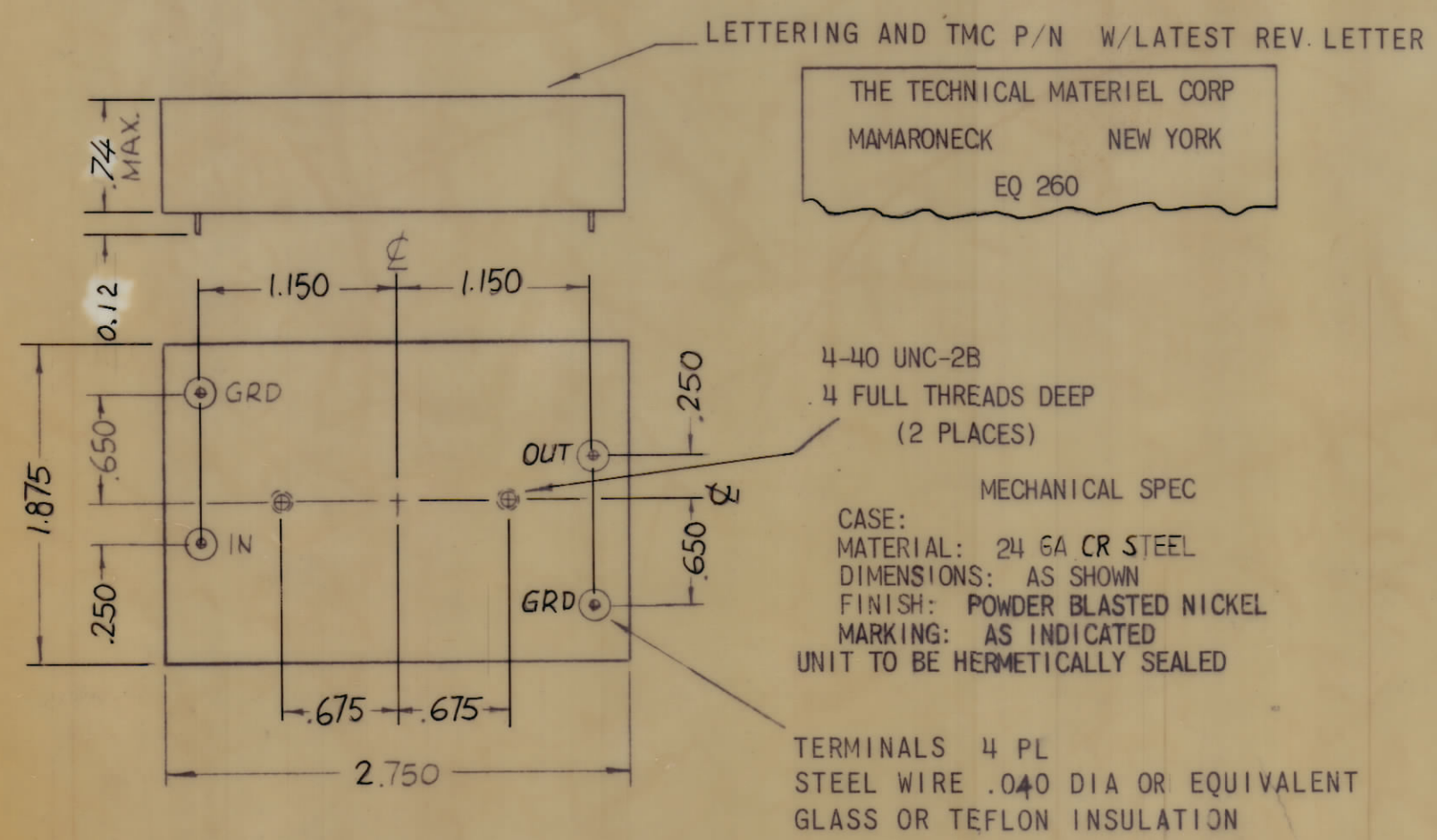
PARTICULAR SPECIFICATIONS

1. TYPE: INNER, LOWER SIDEBAND EQUALIZER
2. INSERTION LOSS 4 dB MAX
3. SOURCE AND LOAD IMPEDANCE: 500 \pm 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 C 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. E_0 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

B



A

QTY / UNIT	MSAR-4	ASS'Y NO.
APPLICATION		
CODE	S401-451	
NOTICE TO PERSONS RECEIVING THIS DRAWING		
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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		FINAL APPROVAL	DATE	THE TECHNICAL MATERIEL CORP. MAMARONECK, NEW YORK BANDPASS EQUALIZER CHANNEL B1
TOLERANCES ON		MECH. DES.	DATE	
DECIMALS		ELECT. DES.	DATE	
.X \pm .05		CHECKED	DATE	
.XX \pm .01		DRAWN	DATE	
.XXX \pm .005		MATERIAL		SIZE
FINISH		MATERIAL		CODE IDENT. NO.
		FINISH		DWG NO.
		FINISH		ISSUE
		FINISH		SCALE 1:1
		FINISH		SHEET OF