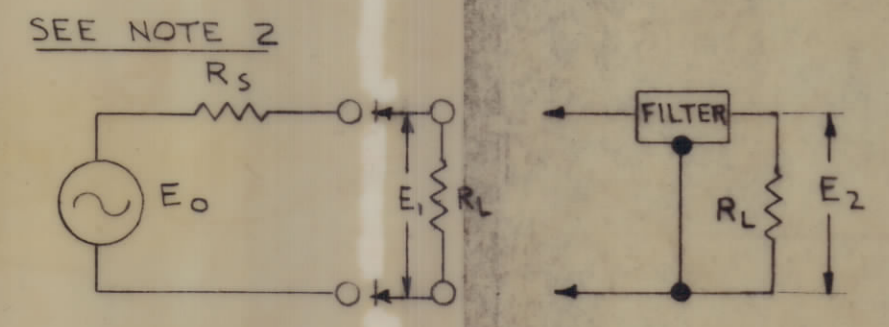
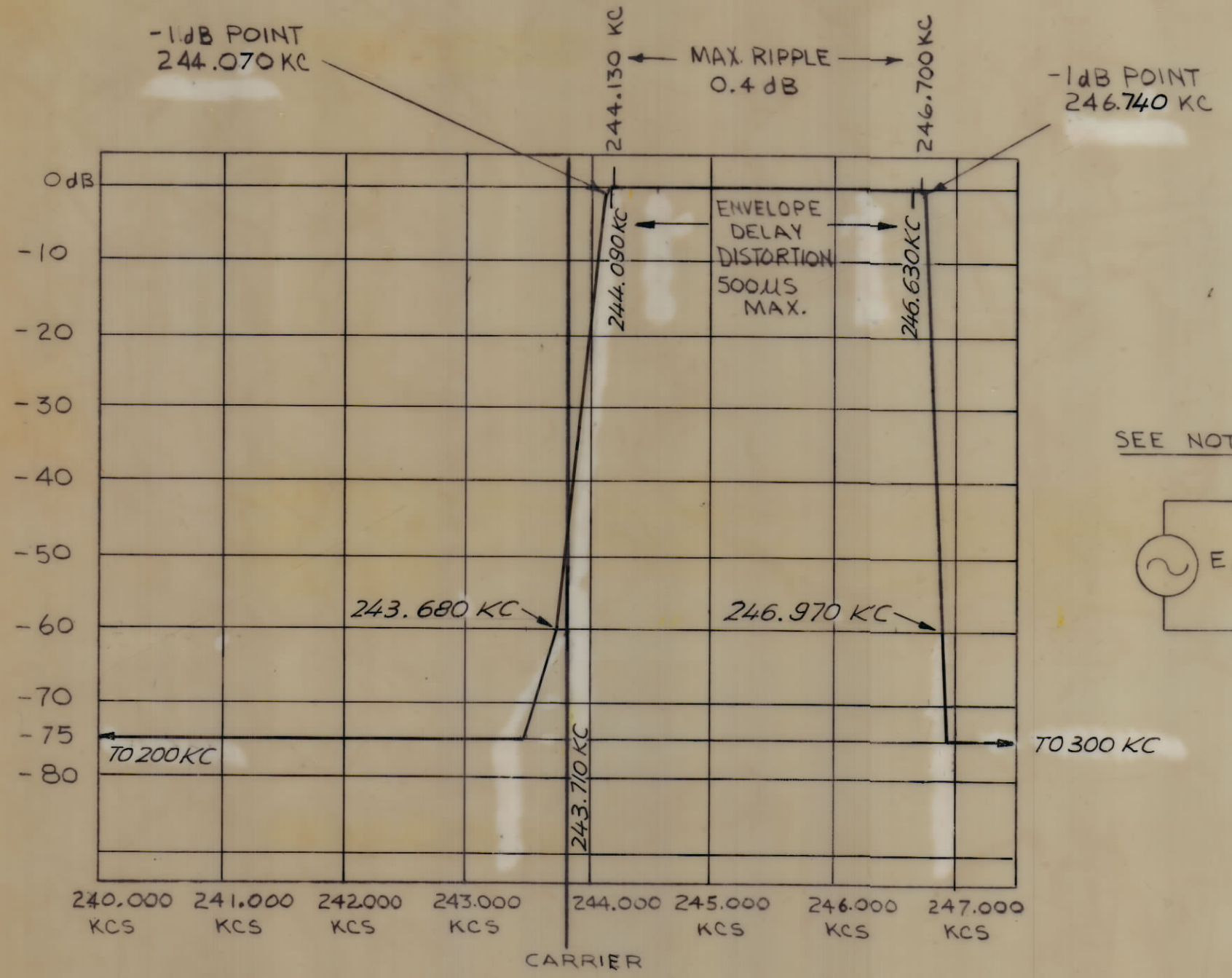


REVISIONS						
SYM	ZONE	DESCRIPTION	DATE	E.M.N. NO.	DRAFT	CHKD
X		EXPERIMENTAL RELEASE	1/3/66	X	RME	
X1		SPECS ADDED & REVISED SCHEMATIC ADDED	10/19/66	X1	RME	
X2		COMPLETELY REVISED CASE	11/21/66	X2	RME	
S		ORIGINAL RELEASE FOR PRODUCTION	11/23/66		UWJ	
A		DELETED "STAINLESS STEEL STUDS"	12-9-66	17427	RME	
B		SPEC 13 WAS "60dB"	4-4-67	18077	NLO	
C		REVISED PICT DIM.	2-4-69	19312	GE	
D		SPECS & DIAGRAM COMPL. REV.	9/9/69	19595	R7+	
E		ADD * NOTE	2-2-70	19748	KD	
F		CHG. TERM. LENGTH	7-6-71	20420	R7	



* SPECIFICATIONS

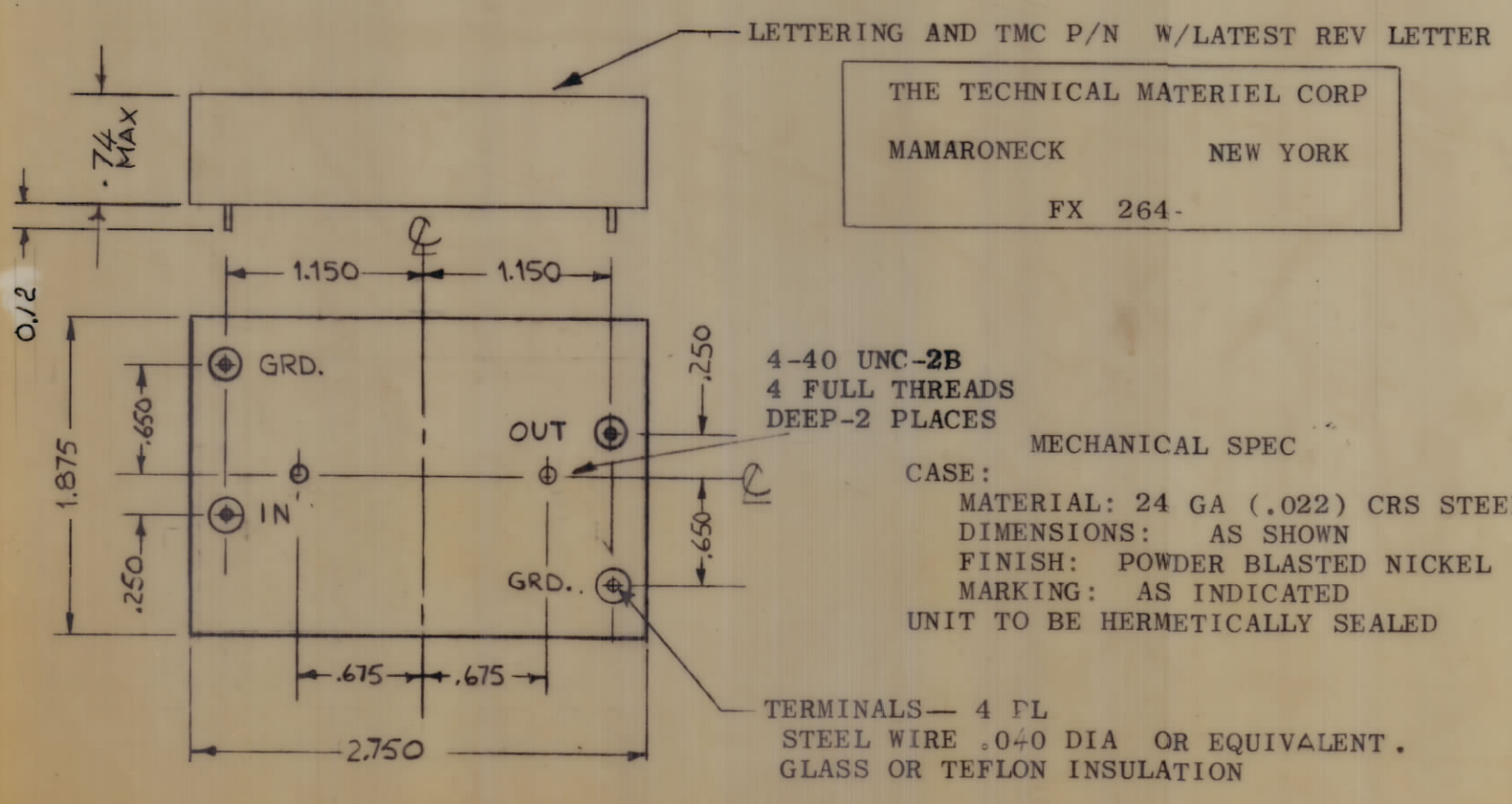
1. TYPE: OUTER, LOWER SIDEBAND
2. dB MEASUREMENTS: ALL dB MEASUREMENTS ARE RELATIVE TO MAXIMUM SIGNAL RESPONSE IN THE PASSBAND
3. CARRIER FREQUENCY: 243.710 KC
4. CARRIER SUPPRESSION: AT LEAST 60 dB
5. -1dB POINTS: \cong 244.070 KC AND 246.740 KC
6. -60dB POINTS: NOT LOWER THAN 243.680 KC & NOT HIGHER THAN 246.970 KC
7. INSERTION LOSS 4 dB MAX
8. SOURCE AND LOAD IMPEDANCE: 500 \pm 5% OHMS
9. RIPPLE: 0.4 dB MAX BETWEEN 244.130 KC AND 246.700 KC
10. ALL SPURIOUS RESPONSES AND RETURN LOBES AT LEAST 60dB DOWN BETWEEN 200KCS AND 5000KCS
11. OPERATING TEMPERATURE: 0° TO 65°C
12. MAX. ENVELOPE DELAY DISTORTION: 500 μ S BETWEEN 244.090 KC AND 246.630 KC & 1000 μ S BETWEEN 246.640 KC AND 246.730 KC
13. 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
14. MAXIMUM SIGNAL INPUT: 3 VOLTS rms
15. NON-OPERATING TEMPERATURE RANGE: -62°C TO 75°C
16. PEAK SHOCK CAPABILITY: 20 G WITHIN A PERIOD OF 10 MILLISECONDS APPLIED ALONG THREE MUTUALLY PERPENDICULAR AXES
17. VIBRATION CAPABILITY: 5 CPS TO 50 CPS AT AN AMPLITUDE OF 1.3 G

NOTE 1 CHANNEL DESIGNATION REFERS TO 250 KCS. FURTHER SIDEBAND INVERSIONS MUST BE TAKEN INTO ACCOUNT IN DETERMINING THE FINAL CHANNEL DESIGNATION

2 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

*THIS UNIT MUST BE MATCHED BY MFR SERIES NO. WITH EQ264 & BOTH TESTED AS A PAIR



LETTERING AND TMC P/N W/LATEST REV LETTER

THE TECHNICAL MATERIEL CORP
 MAMARONECK NEW YORK
 FX 264-

4-40 UNC-2B
 4 FULL THREADS
 DEEP-2 PLACES
 MECHANICAL SPEC

CASE:
 MATERIAL: 24 GA (.022) CRS STEEL
 DIMENSIONS: AS SHOWN
 FINISH: POWDER BLASTED NICKEL
 MARKING: AS INDICATED
 UNIT TO BE HERMETICALLY SEALED

TERMINALS— 4 FL
 STEEL WIRE .040 DIA OR EQUIVALENT.
 GLASS OR TEFLON INSULATION

MAXIMUM ALLOWABLE TOLERANCES HAVE BEEN DETERMINED AND ANY DEVIATIONS WILL BE CAUSE FOR REJECTION.

QTY REQ	ITEM	PART NO.	DESCRIPTION	SYMBOL
HOGAN BILL OF MATERIAL				
THE TECHNICAL MATERIEL CORP. MAMARONECK, NEW YORK				
BANDPASS FILTER, CHANNEL B 2				
UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES TOLERANCES ON FRACTIONS DECIMALS ANGLES $\pm 1/64$ $\pm .005$ $\pm 1/2^\circ$		FINAL APPROVAL	DATE	
MATERIAL		MECH. DES.	DATE	
FINISH		ELECT. DES.	DATE	
		CHECKED	DATE	
		DRAWN	DATE	
		APPROVED FOR BUSHIPS		
		CONTRACT NO.		
CODE	SIZE	DWG. NO.	ISSUE	
82679	C	FX 264	F	
SCALE	SHEET		OF	