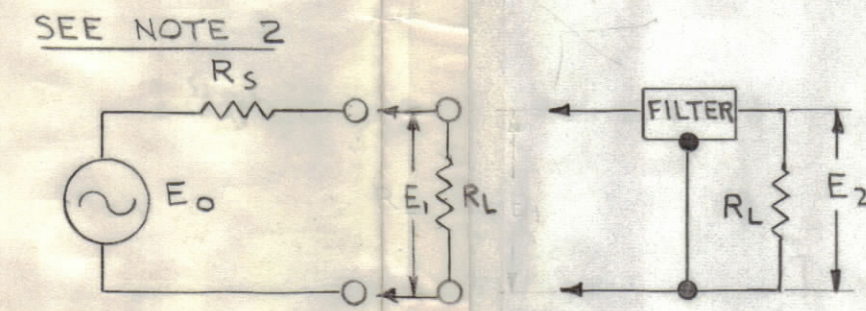
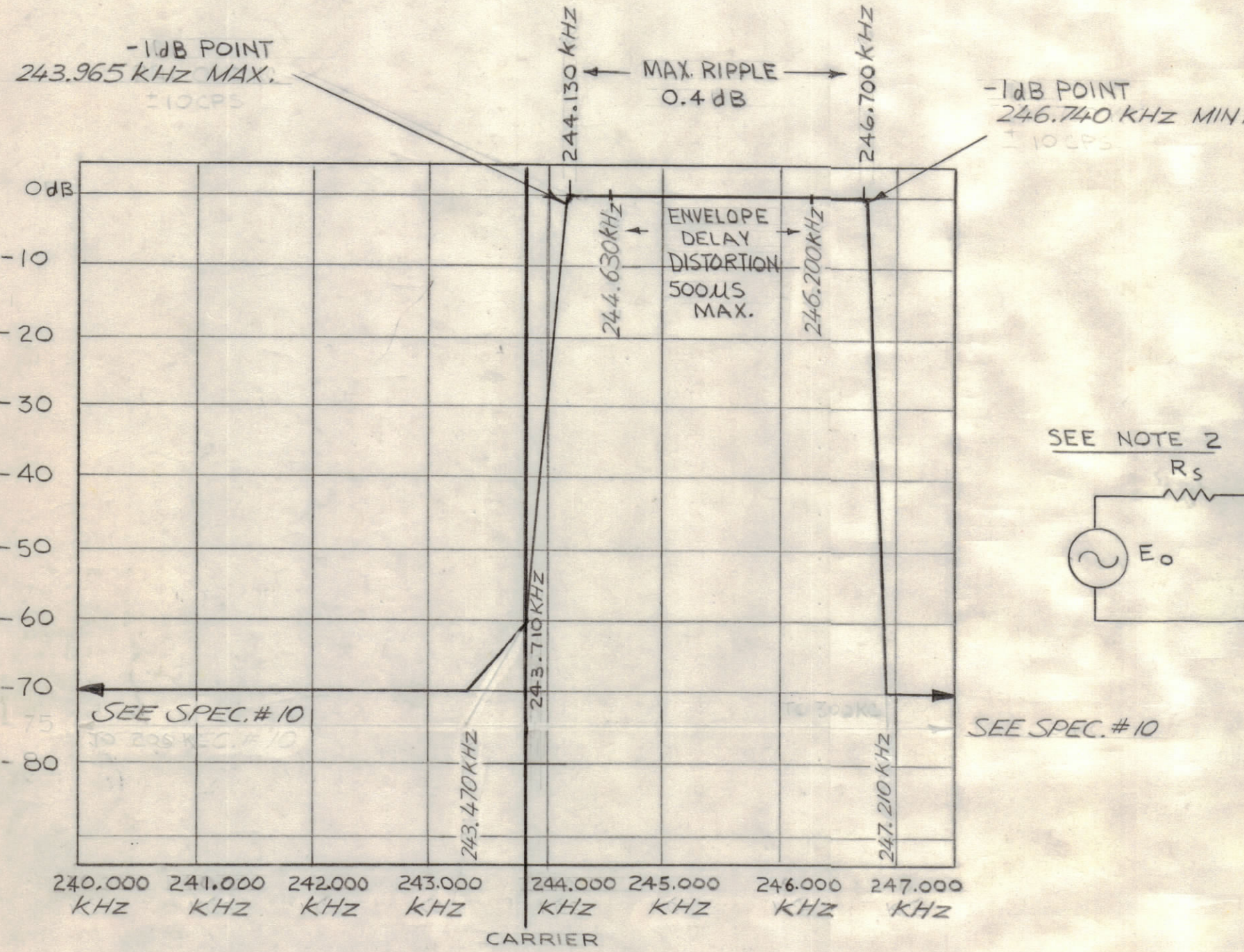


REVISIONS						
SYM	ZONE	DESCRIPTION	DATE	E.M.N.NO	DRAFT	CHKD APPD
X		EXPERIMENTAL RELEASE	4/2/69	X	K.H.	J.D.
XI		NOTE 10 ON SPEC REVISED	5/6/69	XI	C.V.	J.D.
Ø		ORIGINAL RELEASE FOR PRODUCTION	5/8/69	Ø	C.V.	J.D.
A		REV NOTE 6, DELETE -75db FROM CHART	2.22.70	19758	KD	K.H. O.P.



SPECIFICATIONS

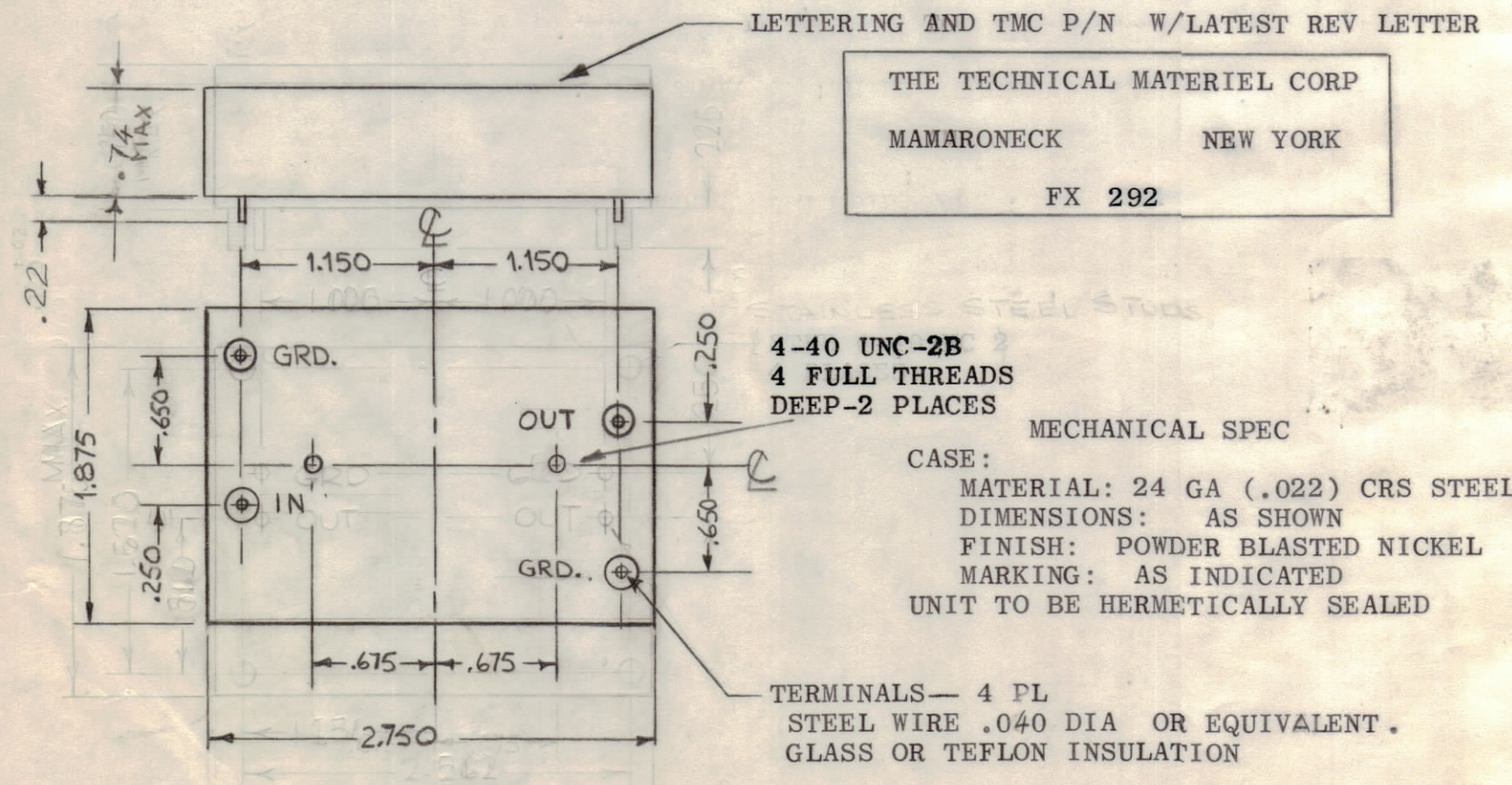
1. TYPE: OUTER, LOWER SIDEBAND
2. dB MEASUREMENTS: ALL dB MEASUREMENTS ARE RELATIVE TO MAXIMUM SIGNAL RESPONSE IN THE PASSBAND
3. CARRIER FREQUENCY: 243.710 kHz
4. CARRIER SUPPRESSION: AT LEAST 60 dB
5. -1dB POINTS: 243.965 kHz MAX 246.740kHz MIN
6. -70dB POINTS: NOT LOWER THAN 243.470kHz & NOT HIGHER THAN 247.210kHz
7. INSERTION LOSS 4 dB MAX
8. SOURCE AND LOAD IMPEDANCE: 500 ±5% OHMS
9. RIPPLE: 0.4 dB MAX BETWEEN 244.130kHz AND 246.700kHz
10. ALL SPURIOUS RESPONSES AT LEAST 65 dB DOWN FROM 200kHz TO 300kHz
11. OPERATING TEMPERATURE: 0° TO 65°C
12. MAX. ENVELOPE DELAY DISTORTION: 500 µS BETWEEN 244.630kHz AND 246.200kHz WHEN TESTED WITH CORRESPONDING EQUALIZER
13. THIRD ORDER, IN-BAND INTERMODULATION DISTORTION WILL BE AT LEAST 65 dB DOWN FROM THE REFERENCE LEVEL OF EITHER OF TWO EQUAL 30mv 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 Hz TO 50 Hz AT AN AMPLITUDE OF 1.3 G

NOTE 1 CHANNEL DESIGNATION REFERS TO 250 kHz. 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

REF: MSAR-5



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

QTY REQ	ITEM	PART NO.	DESCRIPTION	SYMBOL
	O. POSE 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 ±1/64 ±.005 ±1/2°			
	FINAL APPROVAL	DATE	5/3/69	
	MECH. DES.	DATE		
	ELECT. DES.	DATE		
	CHECKED	DATE	4-16/69	
	DRAWN	DATE	4/2/69	
	APPROVED FOR BUSHIPS	CODE	SIZE	DWG. NO.
		82679	C	FX 292
	CONTRACT NO.	SCALE	SHEET	OF