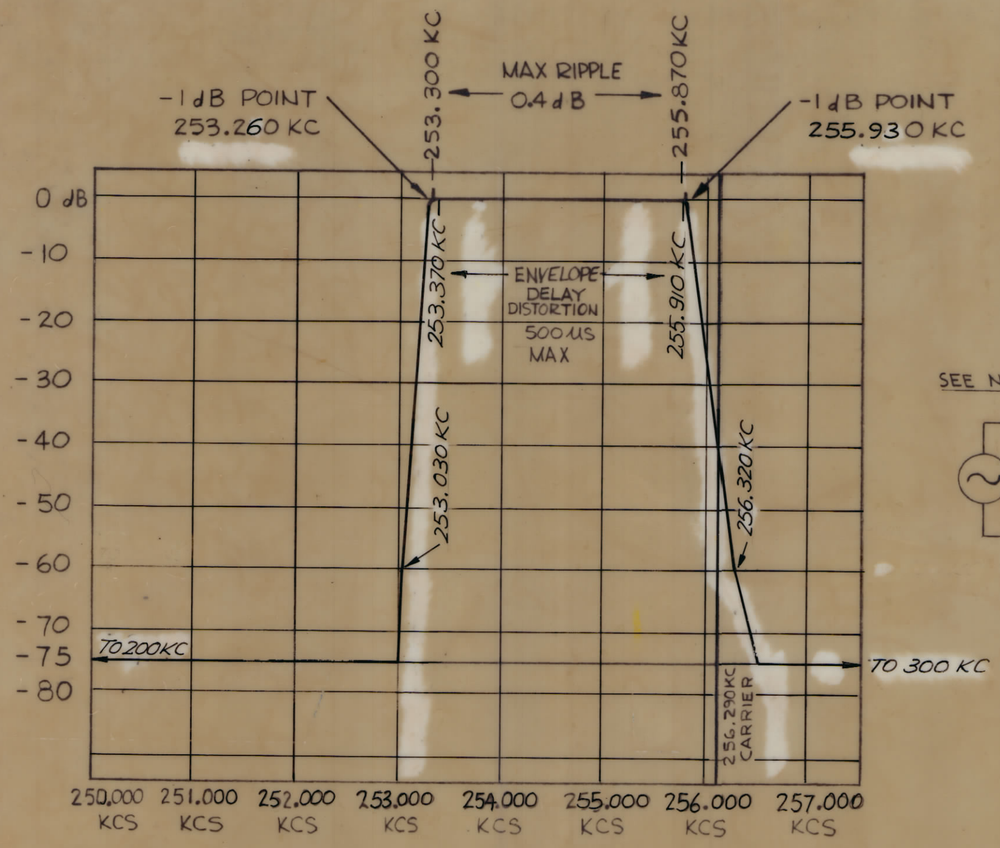
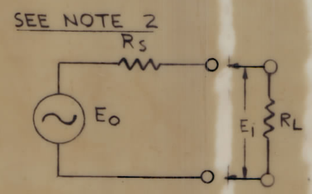
FX261 F

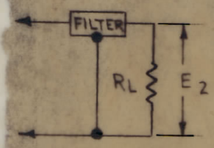
REVISIONS							
SYM	ZONE	DESCRIPTION	DATE	E.M.N.NO.	DRAFT	CHKD	APPD
X		EXPERIMENTAL RELEASE	10/3/66	X	RME		
X_1		SPECS ADDED AND REVISED. SCHEMATIC ADDED.	10/20/66	X_1	RME		
X_2		COMPLETELY REVISED CASE	11-22-66	X_2	RME		
0		ORIGINAL RELEASE FOR PRODUCTION	11-23-66	—	[illegible]		
A		DELETED "STAINLESS STEEL STUDS"	12-9-66	17427	RME		
B		ON SPEC 13 dB WAS "60"	4-4-67	18077	RME		
C		REVISED PICTURE DIM.	2-4-69	19312	RE		
D		SPECS & DIAGRAM COMPL. REV.	9/9/69	19595	RH		
E		ADD * NOTE	2-2-70	19748	KD		
F		CHG. TERM. LENGTH	1-6-71	20420	RZ		



*THIS UNIT MUST BE MATCHED BY MFR SERIES NO. WITH EQ261 & BOTH TESTED AS A PAIR

SEE NOTE 2





* SPECIFICATIONS

1. TYPE: OUTER, UPPER SIDEBAND
2. dB MEASUREMENTS: ALL dB MEASUREMENTS ARE RELATIVE TO MAXIMUM SIGNAL RESPONSE IN THE PASSBAND
3. CARRIER FREQUENCY: 256.290 KC
4. CARRIER SUPPRESSION: AT LEAST 60 dB
5. -1dB POINTS: ≦ 253.260 KC AND 255.930 KC
6. -60dB POINTS: NOT LOWER THAN 253.030 KC & NOT HIGHER THAN 256.320 KC
7. INSERTION LOSS 4dB MAX
8. SOURCE AND LOAD IMPEDANCE: 500 ±5% OHMS
9. RIPPLE: 0.4 dB MAX BETWEEN 253.300 KC AND 255.870 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 µS BETWEEN 253.370 KC AND 255.910 KC
    1000 µS BETWEEN 253.360 KC AND 253.270 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 TEMP 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

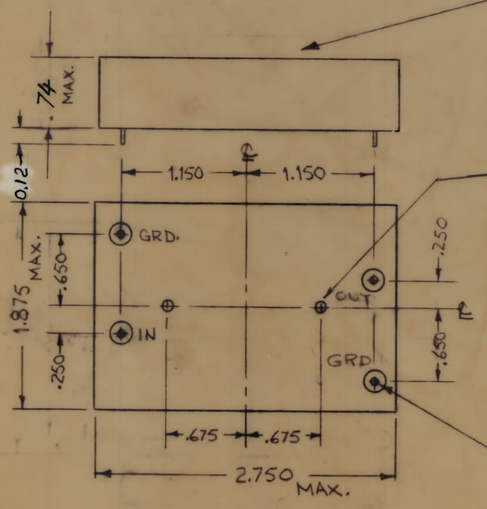
NOTE 1 CHANNEL DESIGNATION REFERS TO 250 KCS. FURTHER SIDEBAND INVERSIONS MUST BE TAKEN INTO ACCOUNT IN DETERMINING THE FINAL CHANNEL DESIGNATION

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. 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

LETTERING & TMC P/N W/LATEST REV LETTER

THE TECHNICAL MATERIEL CORP
MAMARONECK NEW YORK
FX 261-



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 PL
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	

UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES
TOLERANCES ON FRACTIONS ±1/64 DECIMALS ±.005 ANGLES ± 1/2°

MATERIAL

FINISH

FINAL APPROVAL		DATE 11/22/66
MECH. DES.		DATE
ELECT. DES.		DATE
CHECKED		DATE
DRAWN		DATE 10/3/66
APPROVED FOR BUSHIPS		
CONTRACT NO.		

THE TECHNICAL MATERIEL CORP.
MAMARONECK. NEW YORK

BANDPASS FILTER, CHANNEL A2

CODE	SIZE	DWG. NO.	ISSUE
82679	C	FX261	F
SCALE			SHEET OF