

REVISIONS							
E.M.N. NO.	DRAFT	CHKD	ZONE	LTR	DESCRIPTION	DATE	APPROVED
	PH			X		12-14-77	
	PH			X2	PT. DRAFT AND SPEC	1-9-78	
	PH			X3	DIM 2.00 WAS 2.60	4-4-78	

EQ302
BANDPASS FILTER
CARRIER FREQUENCY 1743.750 KHz

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

SPECIFICATIONS

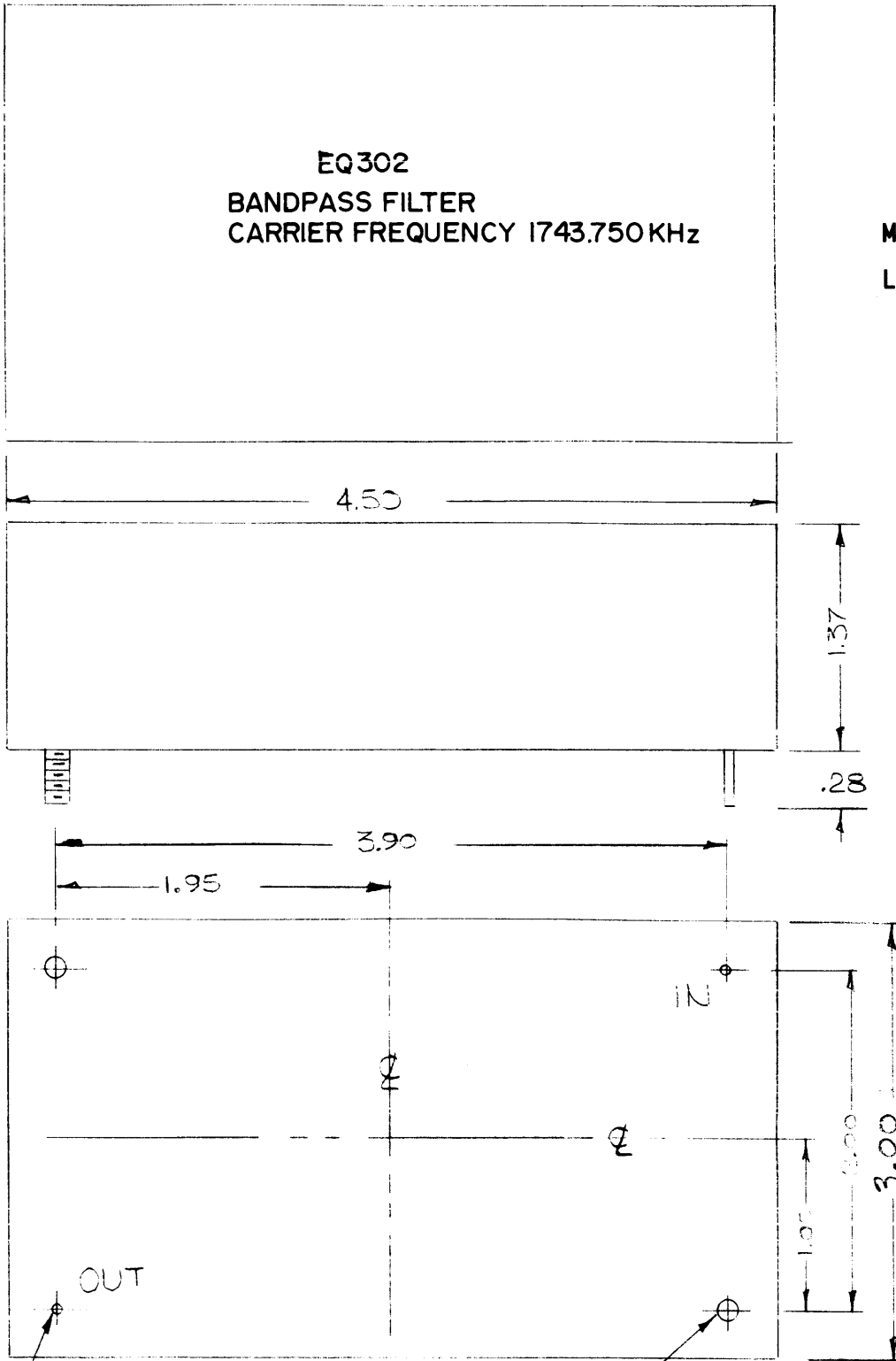
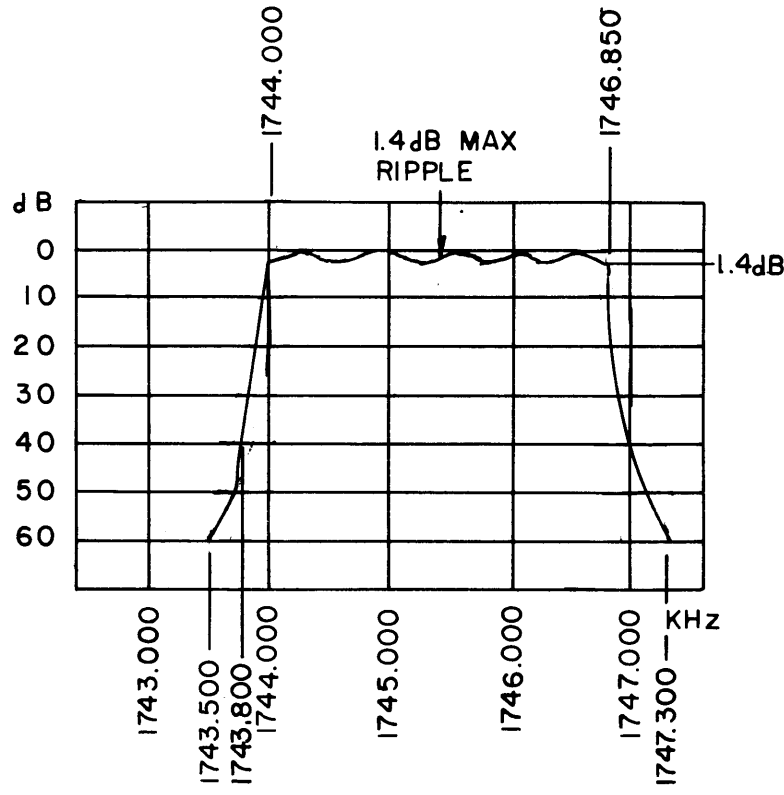
ELECTRICAL

TYPE: OUTER, UPPER SIDEBAND
dB MEASUREMENTS: ALL dB MEASUREMENTS ARE RELATIVE TO MAXIMUM SIGNAL RESPONSE IN THE PASS BAND
CARRIER FREQUENCY: 1743.750 KHz
CARRIER SUPPRESSION: AT LEAST 50 dB
-1.4 dB POINTS: NOT HIGHER THAN 1744.000 KHz AND NOT LOWER THAN 1746.850 KHz
-60 dB POINTS: 1743.500 KHz AND 1747.300 KHz
MAXIMUM PASSBAND RIPPLE: 1.4 dB
INSERTION LOSS OR GAIN: 6 dB MAXIMUM
INPUT IMPEDANCE: 500 OHMS
OUTPUT IMPEDANCE: 500 OHMS
TEMPERATURE RANGE: 0° C TO +70° C
ENVELOPE DELAY DIST. LESS THAN:
8 ms WITHIN 300Hz AND 3020 Hz (ABSOLUTE DELAY)
1000 μs WITHIN 400 Hz AND 3000 Hz
500 μs WITHIN 600 Hz AND 2900 Hz
150 μs WITHIN ANY 100 Hz STEP FROM 400 Hz TO 3050 Hz
600 μs WITHIN 300 Hz AND 400 Hz
3 μs WITHIN 3050 Hz AND 3150 Hz

MECHANICAL

CASE: STEEL, HERMETICALLY SEALED

NOTE: CHANNEL DESIGNATION REFERS TO 1.75 MHz. FURTHER SIDEBAND INVERSIONS MUST BE TAKEN INTO ACCOUNT IN DETERMINING THE FINAL CHANNEL DESIGNATION.



REQ'D	ITEM	PART NUMBER	DESCRIPTION	SYM.
LIST OF MATERIAL				
THE TECHNICAL MATERIEL CORP. MAMARONECK, NEW YORK				
BANDPASS FILTER CHANNEL B2 (EQUALIZED)				
SIZE	CODE IDENT. NO.	DWG NO.	ISSUE	
B	82679	EQ302	X3	
SCALE	FULL	SHEET	OF	

QTY / UNIT	MODEL USED ON	ASS'Y NO.
APPLICATION		
CODE		
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UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES AND INCLUDE CHEMICALLY APPLIED OR PLATED FINISHES	
DECIMALS .X ± .05 .XX ± .01 .XXX ± .005	FRACTIONS 1/64 ANGLES 0° - 30'
MATERIAL	FINISH

FINAL APPROVAL	DATE
MECH. DES.	DATE
ELECT. DES.	DATE
CHECKED	DATE
DRAWN PH	DATE 11-14-77