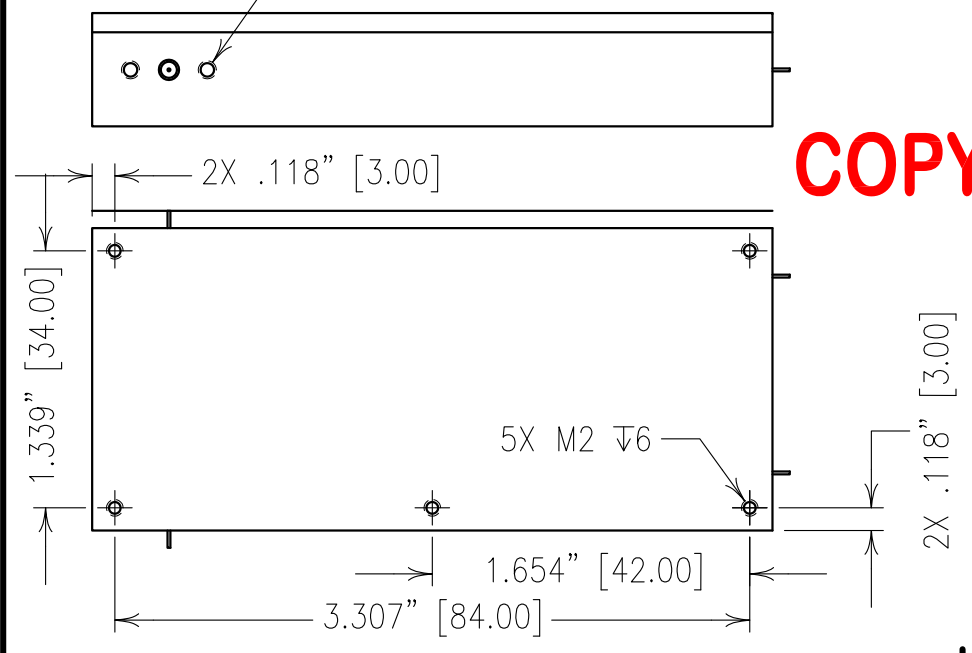
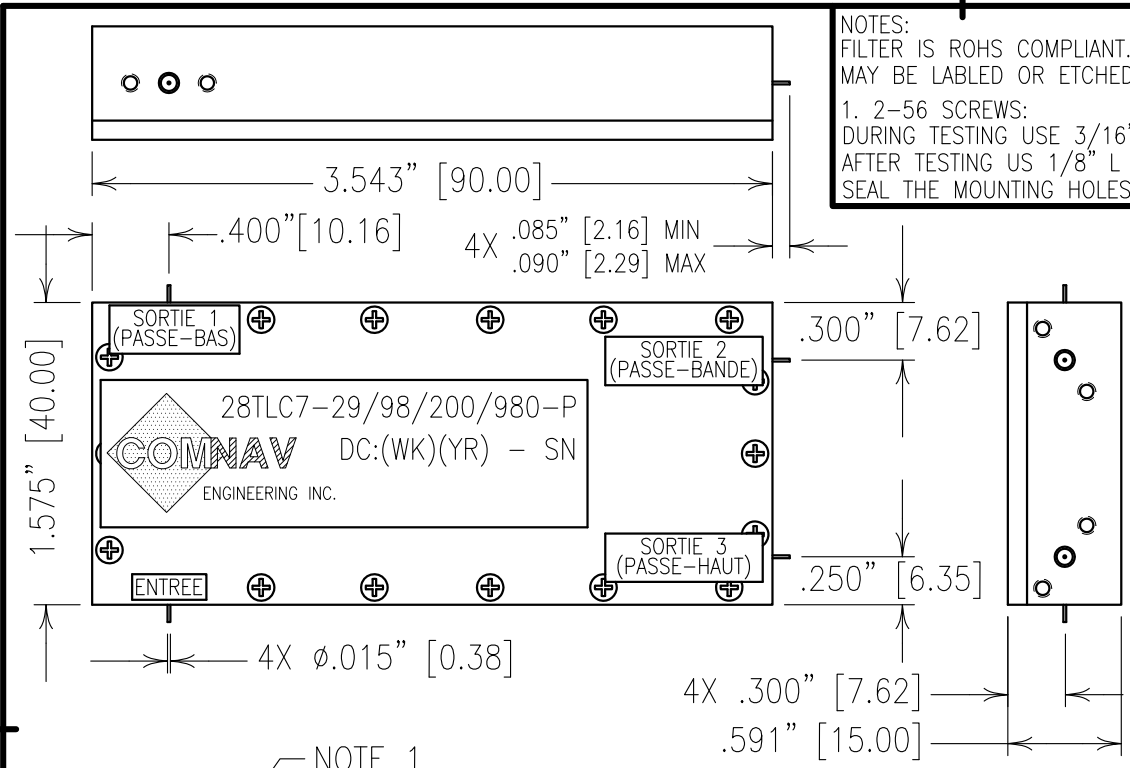


NOTES:  
 FILTER IS ROHS COMPLIANT.  
 MAY BE LABELED OR ETCHED.  
 1. 2-56 SCREWS:  
 DURING TESTING USE 3/16" L.  
 AFTER TESTING US 1/8" L TO  
 SEAL THE MOUNTING HOLES.

ELECTRICAL CHARACTERISTICS

BANDWIDTH:  
 BW 1: 29.7-88 MHz  
 BW 2: 108-174 MHz  
 BW 3: 225-980 MHz  
 IMPEDANCE: 50 OHMS ALL PORTS  
 VSWR: 1.3:1 MAX IN/OUT ALL 3 BANDS  
 FLATNESS: 0.3 dB MAX (ALL BANDS)  
 INSERTION LOSSES:  
 LOWPASS: 0.5 dB GOAL/0.8 dB MAX IN BW1  
 PASSBAND: 0.2 dB GOAL/0.5 dB MAX IN  
 (118-137 MHz)  
 0.5 dB GOAL/0.8 dB MAX IN  
 (137-174 MHz)  
 HIGHPASS: 0.5 dB GOAL/0.8 dB MAX IN BW3  
 REJECTION:  
 LOWPASS: 15/20 dB MIN/GOAL @ 108 MHz  
 PASSBAND: 15/20 dB MIN/GOAL @ 88 & 225 MHz  
 HIGHPASS: 15/20 dB MIN/GOAL @ 174 MHz  
 ISOLATION BETWEEN OUTPUT:  
 20 dB MIN IN BW1, BW2 AND BW3  
 POWER HANDLING:  
 40 WATTS CW BW1 & BW2  
 40 WATTS CW BW3 225-400 MHz  
 30 WATTS CW BW3 400-980 MHz  
 HARMONICS:  
 -90 dBc MIN FOR P=42 dBm IN BW1, BW2 & BW3  
 -76 dBc MIN FOR P=45 dBm IN BW1, BW2 & BW3  
 WEIGHT: <= 80 G



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ENVIRONMENTAL SPECIFICATIONS ARE DESIGNED TO MEET BUT NOT TESTED AS OUTLINED IN COBHAM DOCUMENT REFERENCE STA-3212-89-092-A.

ENGLISH / METRIC CHECKED BY	D	01APR16	MJG	DEV.	GEN. REV. PER 4012
ENGLISH	C	29MAR16	MJG	DEV.	GEN. REV. PER 4011
TOLERANCES UNLESS OTHERWISE SPECIFIED MACHINED SURFACES TO BE 125 OR BETTER REMOVE ALL BURRS	B	17MAR16	KJR	DEV.	GEN. REV. PER 4010
ENGINEER	REV	DATE	BY	DCN No.	REMARKS
M/JG					

ENGLISH (INCHES)	METRIC (MM)	SCALE	APPLIC:
.XX ±.02	.X ±.2	1:1	CHIP AND WIRE FILTER
.XXX ±.01	.XX ±.13	DATE	TITLE:
ANGLES ± 0° 30'	08APR16	28TLC7-29/98/200/980-P	SHEET OF 1 1

MATERIALS: HOUSING: ALUMINUM LEADS: KOVAR	DRAWING No.
FINISHES: HOUSING: SILVER LEADS: GOLD OVER NICKEL	0L1503

B

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