



NOTES: LABEL
COMNAV ENGINEERING, INC.
COMNAV PART #:6BCVPC-F0/C16-0
REVISION LEVEL

FILTER MAY BE ETCHED OR LABELED.
FILTER IS ROHS COMPLIANT.

SERIAL NUMBER AND DATE CODE

COPY

ELECTRICAL CHARACTERISTICS

OPTION #	CENTER FREQUENCY (FO)
-001:	2510.25 MHz
-002:	2526.75 MHz
-003:	2543.25 MHz
-004:	2559.75 MHz
-005:	2632.25 MHz
-006:	2648.75 MHz
-007:	2665.25 MHz
-008:	2681.75 MHz

PASSBAND EDGES: FO-7.65 MHz MAX
FO+7.65 MHz MIN
(15.3 MHz MIN 1.5dB BW)

INSERTION LOSS OVER PASSBAND: 1.5 dB MAX

REJECTION:

DC TO FO-25 MHz:	70 dB MIN
FO-25 MHz TO FO-13.75 MHz:	35 dB MIN
FO+13.75 MHz TO FO+25 MHz:	35 dB MIN
FO+25 MHz TO 3200 MHz:	70 dB MIN
2FO-16 MHz TO 2FO+16 MHz:	50 dB MIN

IMPEDANCE: 50 OHMS

VSWR OVER PASSBAND: 1.5:1 MAX

RF POWER:

RMS POWER: 25 WATTS MIN

PEAK VOLTAGE: 140 VOLTS MIN
(12 dB CREST FACTOR)

IIP3: +64 dBm MIN

TEMPERATURE RANGE:

OPERATING: -20 TO +80°C

STORAGE: -40 TO +100°C

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ENGLISH / METRIC	CHECKED BY	C	19SEP07	MJG	DEV.	GEN. REV. PER 2736
ENGLISH		B	02FEB07	MJG	DEV.	GEN. REV. PER 2618
TOLERANCES UNLESS OTHERWISE SPECIFIED	DRAWN BY	A	05JAN07	MJG	DEV.	GEN. REV. PER 2604
MACHINED SURFACES TO BE 125 OR BETTER	ENGINEER	REV	DATE	BY	DCN No.	REMARKS
REMOVE ALL BURRS	MJG					
ENGLISH (INCHES)	METRIC (MM)	SCALE	APPLIC: FILTER			
.XX ±.02	.X ±.25	1:2	TITLE: FILTER, CAVITY, 2.510-2.681 GHz (BRS)			
.XXX ±.010	.XX ±.13	DATE	20SEP07			
ANGLES ± 0° 30'						
MATERIAL: COVER: ALUMINUM BASE: ALUMINUM			DRAWING No.		SHEET OF 1 1	
FINISH: COVER: YELLOW IRRIDITE BASE: YELLOW IRRIDITE			0L0690			