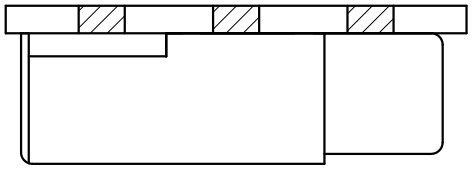


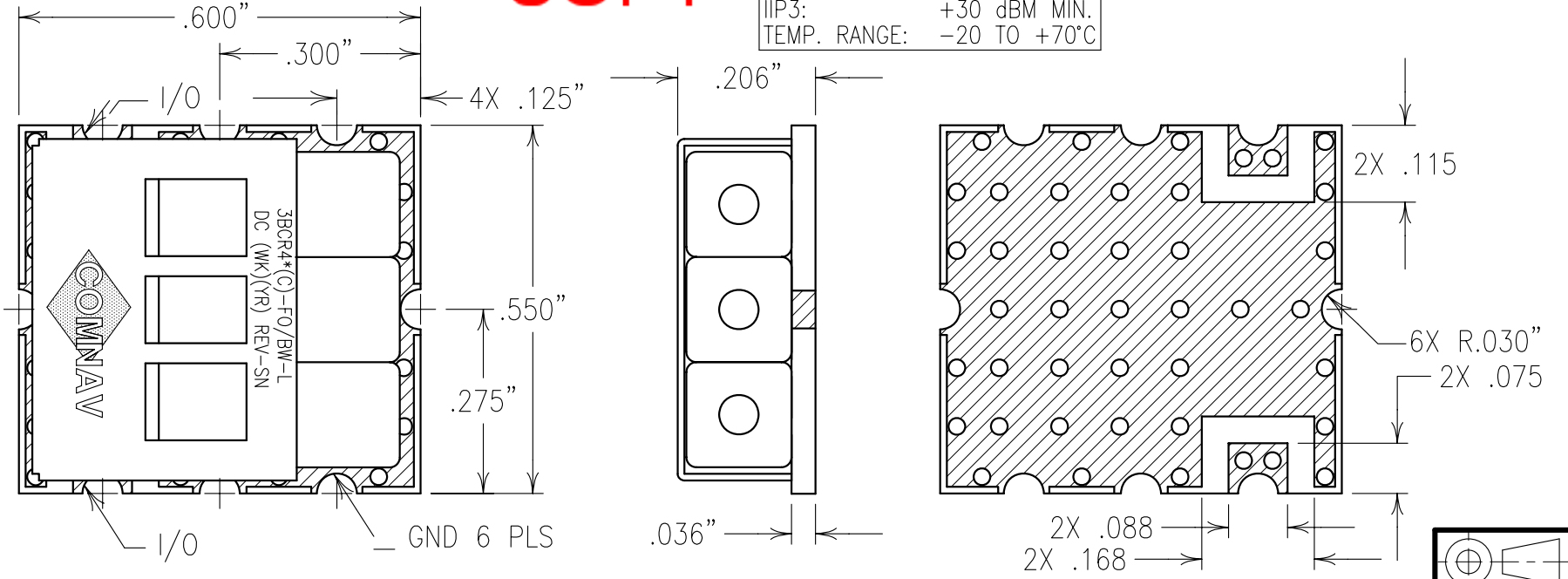
PART NUMBERS
3BCR4EC-920/120-L
3BCR4B-1747.5/110-L
3BCR4BC-1857.5/150-L
3BCR4B-1960/85-L
3BCR4EC-859/70-L
3BCR4EC-892/136-L

ITEM	Fo	BW	LOWER	UPPER
(1)	920	80	880	960
(2)	1747.5	75	1710	1785
(3)	1857.5	105	1805	1910
(4)	1960	60	1930	1990
(5)	859	70	824	894
(6)	892	136	824	960

INSERTION LOSS: <2.0 dB MAX.
VSWR ACROSS
PASSBAND: 1.5:1 MAX.
IMPEDANCE: 50 OHMS
IIP3: +30 dBM MIN.
TEMP. RANGE: -20 TO +70°C

REJECTION CHARACTERISTICS								
#	-40 dBc		-20 dBc		-20 dBc		-40 dBc	
	LOW	HIGH	LOW	HIGH	LOW	HIGH	LOW	HIGH
(1)	300	700	700	810	1080	1320	1320	2400
(2)	300	1500	1500	1620	1900	2100	2100	4000
(3)	300	1550	1550	1700	2075	2300	2300	4000
(4)	500	1760	1760	1850	2090	2220	2220	4000
(5)	300	610	610	730	1000	1230	1230	2150
(6)	300	480	480	680	1170	1500	1500	2150

COPY



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NOTES: FOR RECOMMENDED FOOTPRINT SEE FP0024.
RECOMMENDED ATTACHMENT METHOD: SILVER EPOXY OR REFLOW NOT TO EXCEED AS INDICATED BELOW:

TEMP.(°C)	MAX. TIME(SEC)
215	90
230	60
245	30
260	15

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

ENGLISH / METRIC	ENGLISH
TOLERANCES UNLESS OTHERWISE SPECIFIED	MACHINED SURFACES TO BE 125 OR BETTER, REMOVE ALL BURRS
ENGLISH (INCHES)	.XX ±.02, .XXX ±.010
METRIC (MM)	.X ±.25, .XX ±.13
ANGLES	± 0° 30'
CHECKED BY	
DRAWN BY	PBF
ENGINEER	KJR
SCALE	4:1
DATE	15MAR06

REV	DATE	BY	DCN No.	REMARKS
C	15MAR06	KJR	DEV.	GEN. REV. PER 2500
B	02DEC05	GML	DEV.	GEN. REV. PER 2459
A	13APR05	TLA	DEV.	GEN. REV. PER 2360

APPLIC: CERAMIC COAXIAL FILTER
TITLE: 3BCR4*(C)-FO/BW-L
COMNAV ENGINEERING INC
FINISH: BOARD: NI/GOLD
JACKET: NI/SILVER
RESONATOR: SILVER
DRAWING No. OL0570
SHEET OF 1 1