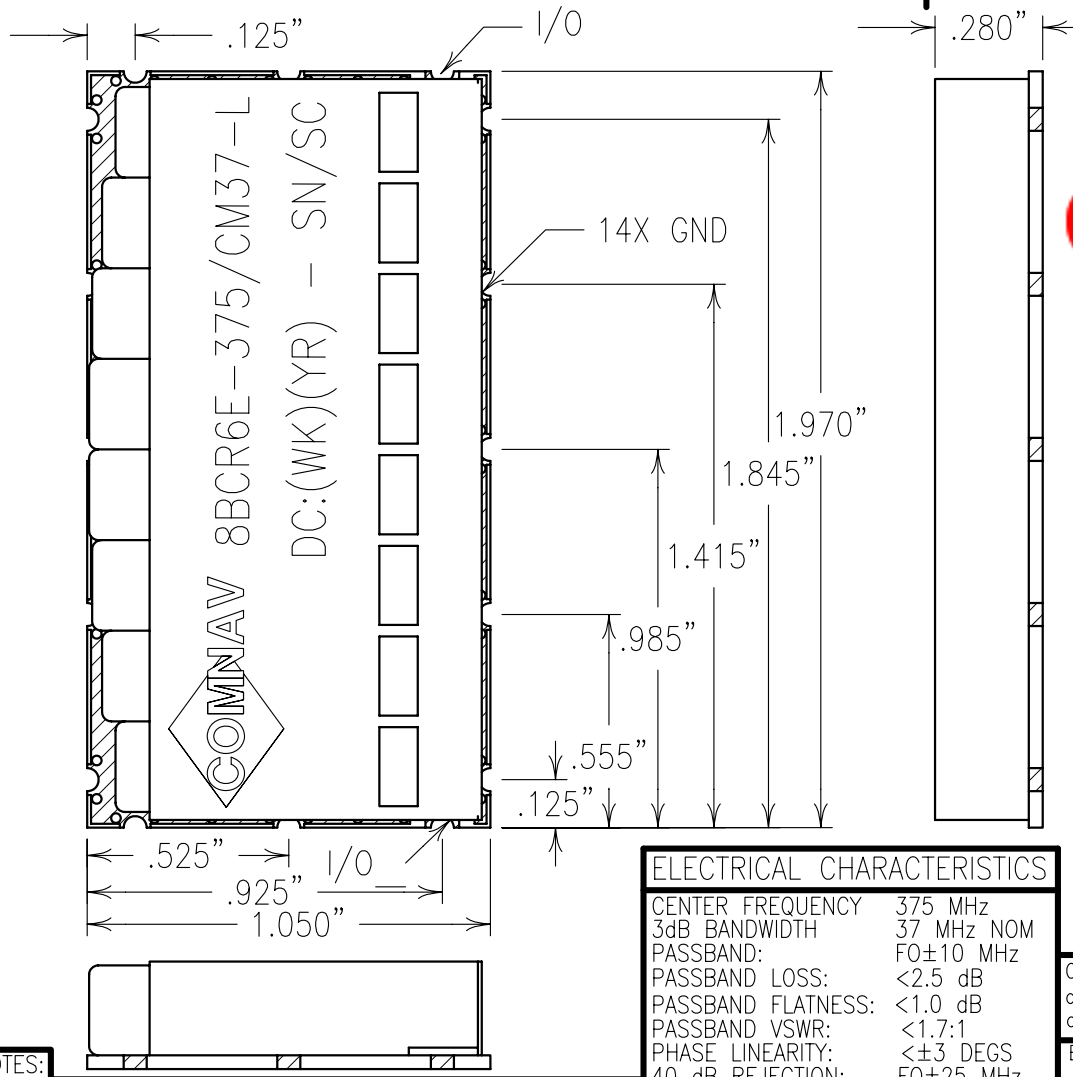

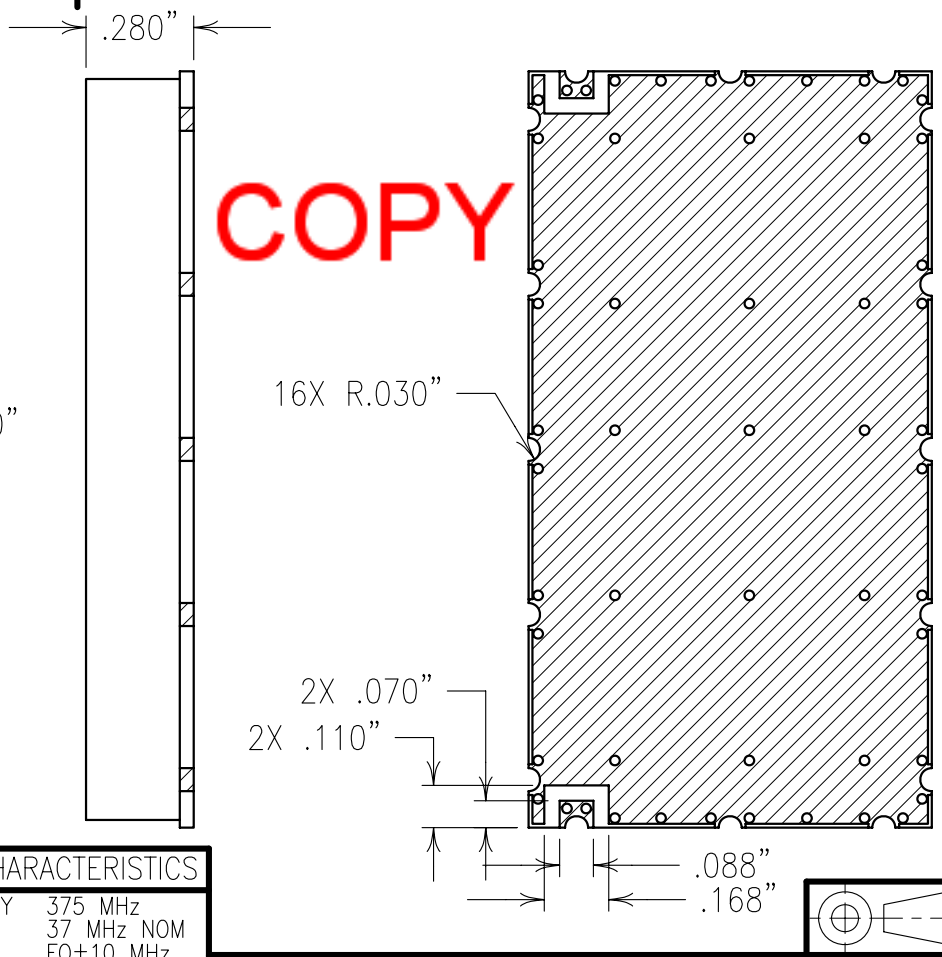

COPY

NOTES:

MEMBERS OF A SET ARE DENOTED BY THE SAME SERIAL NUMBER BUT DIFFERENT SET CHARACTER.
FOR RECOMMENDED FOOTPRINT: FP0091
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

VIBRATION: 10 MINUTES RANDOM VIBRATION IN THE AXIS NORMAL TO THE MOUNTING PLANE WITH A TEST LEVEL OF 6 GRMS BASED ON THE FOLLOWING CONDITIONS, .01G*G/Hz AT 20 Hz INCREASING 3 dB/OCTAVE TO .04G*G/Hz AT 80 Hz CONSTANT AT .04G*G/Hz TO 350 Hz DECREASING 3 dB/OCTAVE TO .007G*G/Hz AT 2000 Hz.

ELECTRICAL CHARACTERISTICS

CENTER FREQUENCY	375 MHz
3dB BANDWIDTH	37 MHz NOM
PASSBAND:	F0±10 MHz
PASSBAND LOSS:	<2.5 dB
PASSBAND FLATNESS:	<1.0 dB
PASSBAND VSWR:	<1.7:1
PHASE LINEARITY:	<±3 DEGS
40 dB REJECTION:	F0±25 MHz
45 dB REJECTION:	DC–140, 690–3000 MHz(**)
TRACKING ACROSS 1 dB BANDWIDTH	
AMPLITUDE:	<0.2 dB
PHASE:	<1 DEG
DELAY:	<0.5 NSEC
ABS. MATCHING ACROSS 1 dB BW	
AMPLITUDE:	<0.4 dB
PHASE:	<2.5 DEG
DELAY:	<1.0 NSEC
OPERATING TEMP.:	0° TO 70°C
STORAGE TEMP.:	–20° TO 70°C

MATCHING WILL BE IN GROUPS OF 9
**STOPBAND WILL HAVE SPURS AT ~1120 MHz & 1850 MHz

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REV	DATE	BY	DCN No.	REMARKS
D	01JUN05	TLA	DEV.	GEN. REV. PER 2383
C	14JUL04	MJG	DEV.	GEN. REV. PER 2265
B	13APR04	MJG	DEV.	GEN. REV. PER 2217

ENGLISH / METRIC: ENGLISH
CHECKED BY
TOLERANCES UNLESS OTHERWISE SPECIFIED
MACHINED SURFACES TO BE 125 OR BETTER
REMOVE ALL BURRS
DRAWN BY: PBF
ENGINEER: MJG
ENGLISH (INCHES): .XX ±.02, .XXX ±.010
METRIC (MM): .X ±.25, .XX ±.13
ANGLES ± 0° 30'
SCALE: 2:1
DATE: 02JUN05
APPLIC: CERAMIC COAXIAL FILTER
TITLE: 8BCR6E–375/CM37–L
COMNAV ENGINEERING INC
FINISH: JACKET: NI/SILVER
RESONATOR: SILVER
BOARD: NICKEL/GOLD
DRAWING No. OL0517
SHEET 1 OF 1