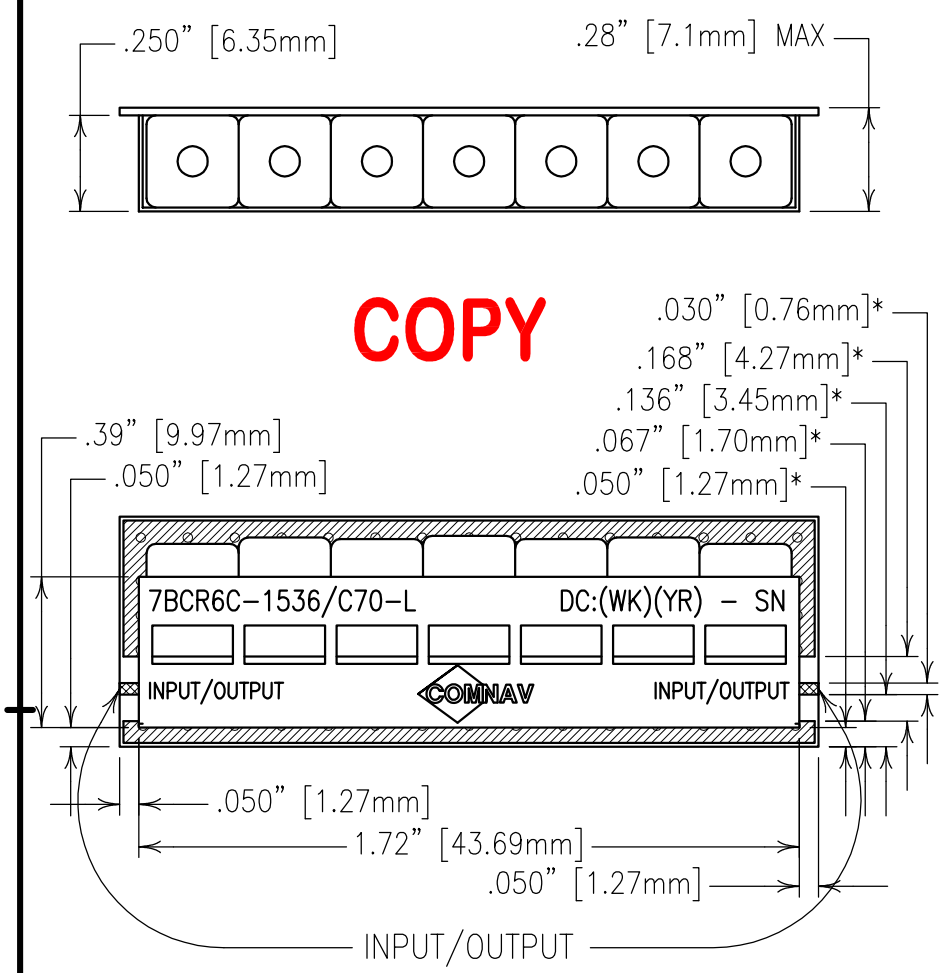
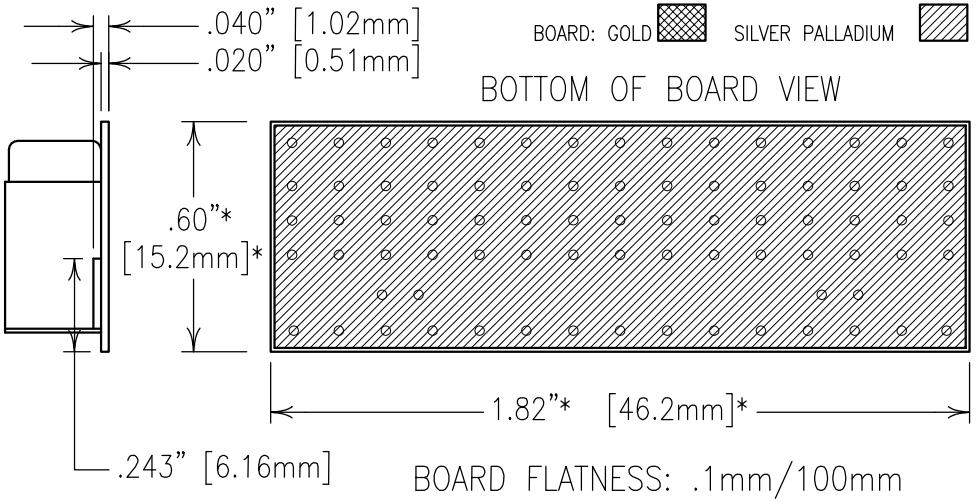
2 1



ELECTRICAL SPECIFICATIONS

PASSBAND:	1518–1559 MHz
PB GAIN RIPPLE IN ANY 5 MHz:	0.2 dB PK–PK MAX
PB GAIN RIPPLE IN FULL BAND:	0.4 dB PK–PK MAX
PASSBAND INSERTION LOSS:	2.2 dB TYP. @ ROOM 2.6 dB MAX. @ +80°C
GROUP DELAY VARIATION IN PB:	<10 nSEC
PHASE LINEARITY/ANY 5 MHz:	<7 DEGREES
REJECTION AT 1488.5 MHz:	47 dB MIN
REJECTION AT <1434.5 MHz:	44 dB MIN
OPERATING TEMP.:	−10 TO +80°C
STORAGE TEMP.:	−40 TO +150°C



BOARD FLATNESS: .1mm/100mm

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A

NOTES:
THE PLATING ON THE INPUT/OUTPUT IS GOLD. THE REST OF THE BOARD IS SILVER PALLADIUM, INCLUDING UNDERSIDE.

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

SUBSTRATE MATERIAL IS 96% ALUMINA.
FILTER MUST BE ETCHED.
PART IS ROHS COMPLIANT.

ENGLISH / METRIC
ENGLISH

TOLERANCES UNLESS OTHERWISE SPECIFIED
MACHINED SURFACES TO BE 125 OR BETTER
REMOVE ALL BURRS

ENGLISH (INCHES)	METRIC (MM)
* ±.004	* ±.1
.XX ±.02	.X ±.5
.XXX ±.010	.XX ±.25

ANGLES ± 0° 30'

CHECKED BY

DRAWN BY
EEF

ENGINEER
KJR

SCALE
2:1

DATE
09DEC09

REV	DATE	BY	DCN No.	REMARKS
A	09DEC09	KJR	DEV.	GEN. REV. PER 3165
II	13MAY09	KJR	DEV.	INI. ISS. PER 3060

APPLIC: CERAMIC COAXIAL FILTER

TITLE: 7BCR6C–1536/C70–L

SHEET 1 OF 1

COMNAV ENGINEERING INC

FINISHES: BOARD: GOLD AND SILVER PALLADIUM, OR SILVER PLATINUM, Ag/Pd 12 TO 16 MICRONS FIRED THICKNESS, Au 9 TO 13 MICRONS FIRED THICKNESS.
JACKET: SILVER PLATED KOVAR RESONATORS: SILVER

DRAWING No.
OL1017

B A