

ELECTRICAL CHARACTERISTICS

CENTER FREQUENCY: 140 MHz  
VSWR: 1.7:1 TYP.

3 dB BANDWIDTH: 28 MHz MIN.  
1 dB BANDWIDTH: 22.4 MHz MIN.  
LOSS @ fo: <2.0 dB  
DELAY @ fo: <38 NSEC  
DELAY VAR.  
ACROSS 1 dB: <20 NSEC  
REJECTION:  
FO±28 MHz: >21 dBc  
FO±56 MHz: >48 dBc  
FO±84 MHz: >53 dBc

3 dB BANDWIDTH: 14 MHz MIN.  
1 dB BANDWIDTH: 11.2 MHz MIN.  
LOSS @ fo: <3.0 dB  
DELAY @ fo: <60 NSEC  
DELAY VAR.  
ACROSS 1 dB: <40 NSEC  
REJECTION:  
FO±14 MHz: >21 dBc  
FO±28 MHz: >48 dBc  
FO±70 MHz: >59 dBc

3 dB BANDWIDTH: 7 MHz MIN.  
1.0 dB BANDWIDTH: 5.0 MHz MIN.  
LOSS @ fo: <5.0 dB  
DELAY @ fo: <120 NSEC  
DELAY VAR.  
ACROSS 1.5 dB: <40 NSEC  
REJECTION:  
FO±7 MHz: >21 dBc  
FO±14 MHz: >48 dBc  
FO±35 MHz: >59 dBc

5 dB BANDWIDTH: 3.5 MHz MIN.  
2 dB BANDWIDTH: 2.8 MHz MIN.  
LOSS @ fo: <11.0 dB  
DELAY @ fo: <225 NSEC  
DELAY VAR.  
ACROSS 2.0 dB: <30 NSEC  
REJECTION:  
FO±3.5 MHz: >17 dBc  
FO±7 MHz: >48 dBc  
FO±17.5 MHz: >59 dBc

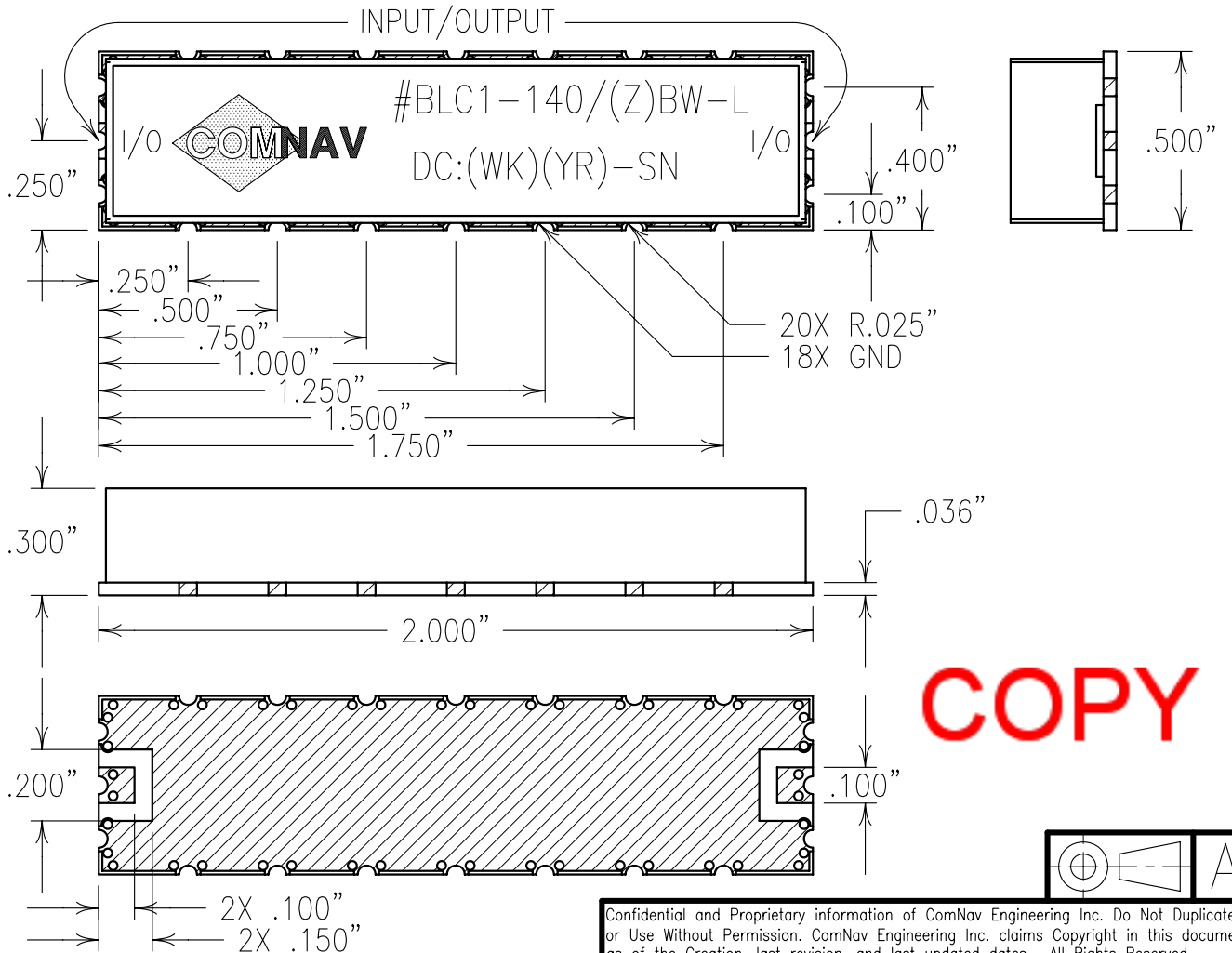
ALL

5BLC1-140/28-L

7BLC1-140/Z14-L

7BLC1-140/Z7-L

7BLC1-140/Z3R5-L



NOTES:

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

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ENGLISH / METRIC ENGLISH		CHECKED BY			
TOLERANCES UNLESS OTHERWISE SPECIFIED		DRAWN BY			
MACHINED SURFACES TO BE 125 / OR BETTER		II	02SEP04	MJG	DEV.
REMOVE ALL BURRS		ENGINEER	REV	DATE	BY
ENGLISH (INCHES)		MJG	BY	DCN No.	REMARKS
METRIC (MM)		APPLIC: COAXIAL FILTER			
SCALE 2:1		TITLE: #BLC1-140/(Z)BW-L			
DATE 24SEP04		DRAWING No. 0L0561			
FINISH: BOARD: NI/AU PLATED COPPER JACKET: NI/SILVER		SHEET OF 1 1			