



COPY

ELECTRICAL CHARACTERISTICS

CENTER FREQUENCY:	1166 MHz
INSERTION LOSS @ F0:	<6.75 dB
2 dB PASSBAND:	F0±5.5 MHz
STOP-BAND ATTENUATION:	
DC-900 MHz:	>35 dBc
900-1100 MHz:	>60 dBc
1100-1144 MHz:	>30 dBc
	MIN GOAL
1144-1155 MHz:	>15 dBc
1177-1188 MHz:	>15 dBc
1188-1230 MHz:	>30 dBc
	MIN GOAL
1230-3000 MHz:	>60 dBc
PASSBAND GROUP DELAY	
VARIATION F0±5.5 MHz:	<13 nSEC
NOMINAL IMPEDANCE:	50 OHMS
INPUT VSWR:	<1.5:1
OUTPUT VSWR:	<1.5:1
INPUT POWER RATING:	≥ +20 dBm

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		CHECKED BY								A	
ENGLISH		DRAWN BY		A	17NOV08	KJR	DEV.	GEN. REV. PER 2966			
TOLERANCES UNLESS OTHERWISE SPECIFIED		EEF		II	04SEP08	KJR	DEV.	INI. ISS. PER 2922			
MACHINED SURFACES TO BE 125 / OR BETTER		ENGINEER		REV	DATE	BY	DCN No.	REMARKS			
REMOVE ALL BURRS		MJG									
ENGLISH (INCHES)	METRIC (MM)	SCALE		APPLIC: CERAMIC COAXIAL FILTER							
.XX ±.02	.X ±.25	2:1									
.XXX ±.010	.XX ±.13	DATE		TITLE: 8BCR6C-1166/C18-LX							
ANGLES ± 0° 30'		18NOV08		FINISH: JACKET: NI/SILVER				DRAWING No.		SHEET OF	
COMNAV ENGINEERING INC		RESONATOR: SILVER				010935		1		1	
		BOARD: NICKEL/GOLD									