



ELECTRICAL CHARACTERISTICS

CENTER FREQUENCY: 1583 MHz NOM
 3 dB BANDWIDTH: 60 MHz NOM
 PASSBAND: 1559-1607 MHz
 PASSBAND FLATNESS: 1.0 dB ROOM,
 1.1 dB OVER TEMP.
 PASSBAND VSWR: 14 dB MIN
 INSERTION LOSS:
 AT 1583 MHz: 2.2 dB @ ROOM,
 2.3 dB OVER TEMP.

REJECTION:
 1500-1536 MHz: >50 dBc
 1627-1700 MHz: >50 dBc

GROUP DELAY VARIATION:
 1559-1607 MHz: 20 nSEC MAX
 1565.5-1585.6 MHz: 10 nSEC MAX

AVERAGE INPUT POWER: 0 dBm
 PEAK INPUT POWER: +6 dBm
 OPERATING TEMP.: -40 TO +85°C
 IMPEDANCE: 50 OHMS IN/OUT
 OPERATING HUMIDITY RANGE:
 0 TO 96% NON-CONDENSING

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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

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

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ENGLISH / METRIC CHECKED BY	B	06JAN12	KJR	DEV.	GEN. REV. PER 3485
ENGLISH	A	03JAN12	KJR	DEV.	GEN. REV. PER 3484
TOLERANCES UNLESS OTHERWISE SPECIFIED MACHINED SURFACES TO BE 125 / OR BETTER REMOVE ALL BURRS	II	18OCT11	KJR	DEV.	INI. ISS. PER 3450
ENGINEER	REV	DATE	BY	DCN No.	REMARKS
KJR					

ENGLISH (INCHES)	METRIC (MM)	SCALE	APPLIC:
.XX ±.02	.X ±.50	2:1	CERAMIC COAXIAL FILTER
.XXX ±.010	.XX ±.25	DATE	TITLE:
ANGLES ± 0° 30'	06JAN12		8BCR6C-1583/C60-L

	FINISH: BOARD: NICKEL/GOLD JACKET: NICKEL/SILVER	DRAWING No.	SHEET OF
		0L1248	1 1