



Features

- High rejection
- Minimal insertion loss variation over operating temperature
- Low-profile shielded package

Applications

- Wireless medical telemetry
- Radio astronomy
- Aeronautical radio navigation
- Defense systems

Generic photo used for illustration purposes only

50Ω 1320 to 1480 MHz

Maximum Ratings

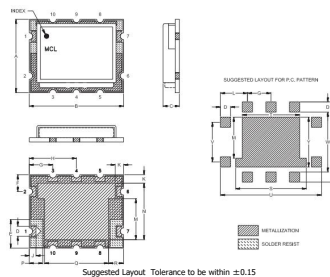
Operating Temperature	-40°C to 85°C
Storage Temperature	-55°C to 100°C
RF Power Input*	5 W max @ 25°C

Permanent damage may occur if any of these limits are exceeded.

Pin Connections

INPUT	1
OUTPUT	7
GROUND	2,3,4,5,6,8,9,10

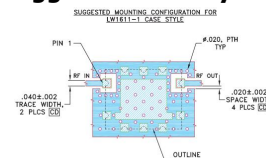
Outline Drawing



Outline Dimensions: Unit ([mm](#))

A	11.05	B	14.22
C	3.05	D	1.52
E	4.32	F	2.54
G	3.56	H	7.11
J	1.02	K	1.27
L	4.06	M	6.19
N	8.51	P	2.03
Q	9.65	R	2.29
S	10.67	T	8.64
U	15.24	V	5.97
W	9.02	X	12.07
Y	7.49	wt	1.0g

Suggested PCB Layout



NOTES:

1. TRACE WIDTH IS SHOWN FOR ROGERS (R04350B) WITH DIELECTRIC THICKNESS .020"±.0015". COPPER: 1/2 OZ. EACH SIDE.
FOR OTHER MATERIALS TRACE WIDTH MAY NEED TO BE MODIFIED.
2. BOTTOM SIDE OF THE PCB IS CONTINUOUS GROUND PLANE.

 DENOTES PCB COPPER LAYOUT WITH SMOBC
(SOLDER MASK OVER BARE COPPER)

 DENOTES COPPER LAND PATTERN FREE OF SOLDERMASK

Electrical Specifications at 25°C

Parameter		Frequency(MHz)	Min.	Typ.	Max.	Unit
Pass Band	Center Frequency	-	-	1400	-	MHz
	Insertion Loss	1320-1480	-	2.1	3.0	dB
	VSWR	1320-1480	-	1.32	1.67	:1
Stop Band, Lower	Insertion Loss VSWR	DC-1050	60	70	-	dB
		1050-1224	20	27	-	dB
Stop Band, Upper	Insertion Loss VSWR	1570-1700	20	25	-	dB
		1700-2300	50	55	-	dB

