



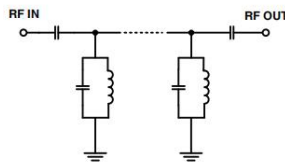
Features

- Low insertion loss
- Better rejection
- Miniature shielded package

Applications

- Amateur radio
- Space operation
- ISM

Functional Schematic



JY-CBP-2250A+

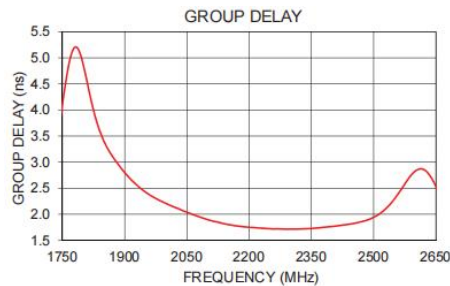
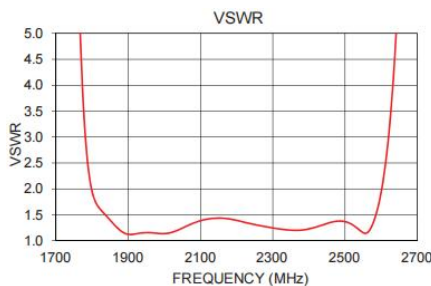


Generic photo used for illustration purposes only

50Ω 2000 to 2500 MHz

Electrical Specifications at 25°C

Parameter		Frequency(MHz)	Min.	Typ.	Max.	Unit
Pass Band	Center Frequency	-	-	2250	-	MHz
	Insertion Loss	2000-2500	-	1.1	2.0	dB
	VSWR	2000-2500	-	1.6	2.1	:1
Stop Band, Lower	Insertion Loss	DC-1630	20.0	31.0	-	dB
	VSWR	DC-1630	-	20.0	-	:1
Stop Band, Upper	Insertion Loss	2900-6000	20.0	31.0	-	dB
	VSWR	2900-6000	-	20.0	-	:1



Maximum Ratings

Operating Temperature -40°C to 85°C

Storage Temperature -55°C to 100°C

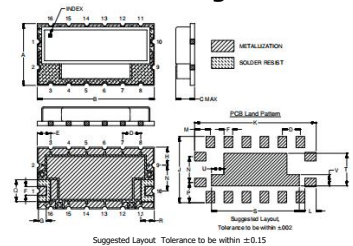
RF Power Input* 2W max @ 25°C

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

Pin Connections

INPUT	1
OUTPUT	10
GROUND	2,3,4,5,6,7,8,9,11,12,13,14,15,16

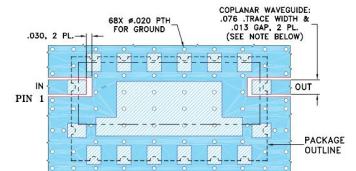
Outline Drawing



Outline Dimensions: Unit (mm)

A	13.97	L	2.54
B	26.24	M	3.56
C	4.70	N	5.84
D	4.06	P	4.57
E	3.05	Q	4.95
F	1.96	R	2.92
G	1.78	S	19.81
H	4.06	T	7.36
J	14.99	U	2.79
K	27.43	V	2.54
WT	2.6g		

Suggested PCB Layout



NOTE: 1. COPLANAR WAVEGUIDE PARAMETERS ARE SHOWN FOR ROGERS RO4350B WITH DIELECTRIC THICKNESS .060" ± .004". 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 SOLDER MASK