

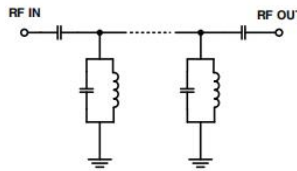
Features

- Low insertion loss
- High selectivity
- Miniature shielded package

Applications

- Defense systems
- ISM
- Mobile satellite
- Amateur radio

Functional Schematic



JY-CBP-2400A+



Generic photo used for illustration purposes only

50Ω 2200 to 2600 MHz

Maximum Ratings

Operating Temperature -40°C to 85°C

Storage Temperature -55°C to 100°C

RF Power Input* 5W max @ 25°C

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

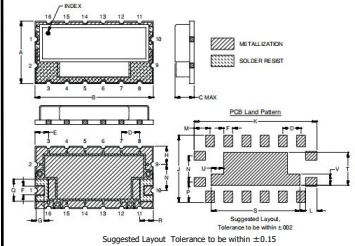
Pin Connections

INPUT 1

OUTPUT 10

GROUND 2 to 9, 11 to 16

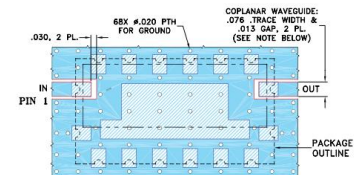
Outline Drawing



Outline Dimensions: Unit (mm)

A	13.97	B	26.24
C	4.70	D	4.06
E	3.05	F	1.96
G	1.78	H	4.06
J	14.99	K	27.43
L	2.54	M	3.56
N	5.84	P	4.57
Q	4.95	R	2.92
S	19.81	T	7.36
U	2.79	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.
3. DENOTES PCB COPPER LAYOUT WITH SMOBC (SOLDER MASK OVER BARE COPPER)
4. DENOTES COPPER LAND PATTERN FREE OF SOLDER MASK

Electrical Specifications at 25°C

Parameter		Frequency(MHz)	Min.	Typ.	Max.	Unit
Pass Band	Center Frequency	-	-	2400	-	MHz
	Insertion Loss	2200-2600	-	1.1	2	dB
	VSWR	2200-2600	-	1.6	2.32	:1
Stop Band, Lower	Insertion Loss	DC-1780	20	31	-	dB
	VSWR	DC-1780	-	20	-	:1
Stop Band, Upper	Insertion Loss	3480-4200	20	31	-	dB
	VSWR	3480-4200	-	20	-	:1

