



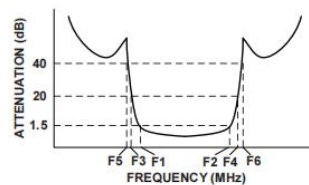
Features

- High rejection
- Good VSWR, 1.2:1 Typ @ Passband
- Shielded case
- Aqueous washable

Applications

- Military communications
- Receivers / Transmitters
- Harmonic rejection

Typical Frequency Response



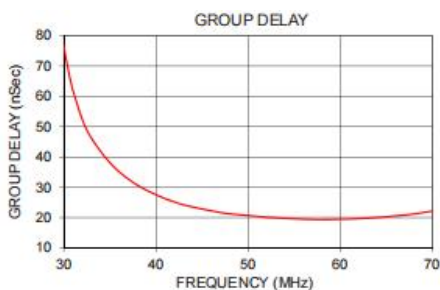
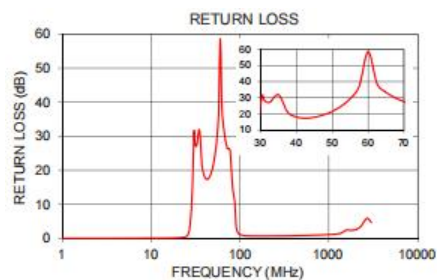
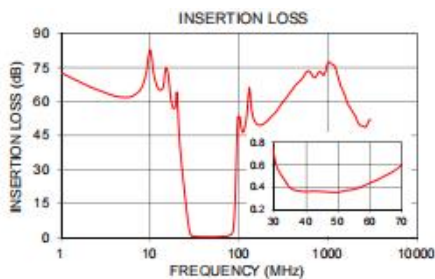
JY-BPF-C45+



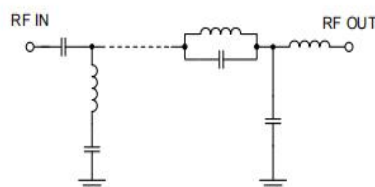
50Ω 30 to 70 MHz

Bandpass Filter Electrical Specifications (T_{AMB}= 25° C)

CENTER FREQ. (MHz)	PASSBAND (MHz) (Loss<2.5dB)	STOPBANDS(MHz)				VSWR(:1)		
		(Loss>20dB)		(Loss>40dB)		Passband Stopband		
Fc	F1-F2	F3	F4	F5	F6	Typ.	Max.	Typ.
45	30-70	23	95	21	120-2500	1.2	1.5	18



Functional Schematic



Maximum Ratings

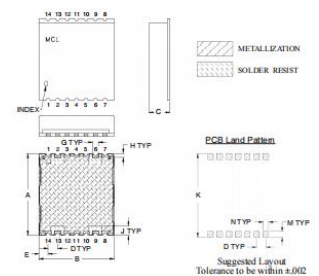
Operating Temperature	-40°C to 85°C
Storage Temperature	-55°C to 100°C
RF Power Input*	0.5W max.

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

Pin Connections

INPUT	2
OUTPUT	9
NOT CONNECTED	6,13
GROUND	1, 3, 4, 5, 7, 8, 10, 11, 12, 14

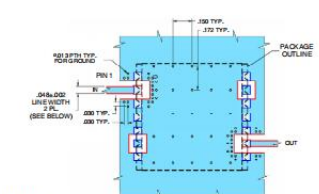
Outline Drawing



Outline Dimensions: Unit (mm)

A	22.10	H	1.02
B	20.32	J	2.67
C	6.35	K	23.11
D	2.54	M	1.52
E	2.46	N	1.52
G	1.52		
WT	2.85g		

Suggested PCB Layout



- NOTES:
1. TRACE WIDTH IS SHOWN FOR ROGERS RO4350B, DIELECTRIC THICKNESS: .003"±.002", 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 SMDs (SOLDER MASK OVER BARE COPPER)
- DENOTES COPPER LAND PATTERN FREE OF SOLDER MASK