

Bandpass Filter

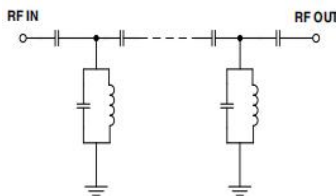
Features

- Low insertion loss
- Good VSWR
- Miniature shielded package

Applications

- Aviation
- Communication systems

Functional Schematic



JY-BPF-C4R5+



50Ω 2 to 7 MHz

Electrical Specifications at 25°C

Parameter		Frequency(MHz)	Min.	Typ.	Max.	Unit
Pass Band	Center Frequency	-	-	4.5	-	MHz
	Insertion Loss	2-7	-	0.5	1.5	dB
	VSWR	2-7	-	1.1	1.5	:1
Stop Band, Lower	Rejection	DC-0.6	20	35.9	-	dB
		DC-0.6	-	20	-	:1
Stop Band, Upper	Rejection	17-2100	20	28.9	-	dB
		17-2100	-	20	-	:1

Maximum Ratings

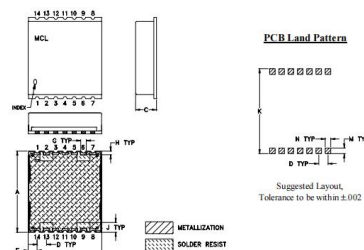
Operating Temperature	-40°C to 85°C
Storage Temperature	-55°C to 100°C
RF Power Input*	1 W max @ 25°C

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	L	-
E	2.46	M	1.52
F	-	N	1.52
G	1.52	P	-
WT	2.85g		

Suggested PCB Layout

