

Bandpass Filter

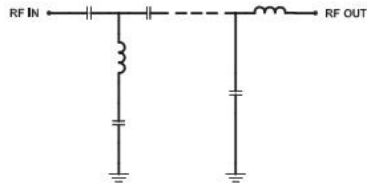
Features

- Sharp roll-off
- Wide bandwidth
- Good VSWR
- Miniature shielded package

Applications

- Test equipment
- Receiver front end applications
- Harmonic rejection

Functional Schematic



JY-BPF-C510+



50Ω 20 to 1000 MHz

Electrical Specifications at 25°C

Parameter		Frequency(MHz)	Min.	Typ.	Max.	Unit
Pass Band	Center Frequency	-	-	510	-	MHz
	Insertion Loss	20-1000	-	1.5	2.7	dB
	VSWR	20-1000	-	1.6	2.01	:1
Stop Band, Lower	Insertion Loss	DC-17	20	29	-	dB
	VSWR	DC-17	-	20	-	:1
Stop Band, Upper	Insertion Loss	1150-1800	25	38	-	dB
	VSWR	1150-1800	-	20	-	:1

Maximum Ratings

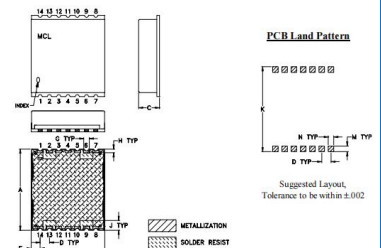
Operating Temperature	-40°C to 85°C
Storage Temperature	-55°C to 100°C
RF Power Input*	1 W max @ 25°C

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

