



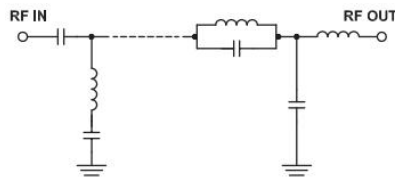
Features

- High rejection, 50 dB typical
- Good VSWR, 1.4:1 typical over passband
- Sharper insertion loss roll-off
- Shielded case
- Aqueous washable

Applications

- Digital TV
- Harmonic rejection
- Transmitters / receivers

Functional Schematic



JY-BPF-C670+



50Ω 470 to 870 MHz

Maximum Ratings

Operating Temperature	-40°C to 85°C
Storage Temperature	-55°C to 100°C
RF Power Input*	0.7 W max @ 25°C

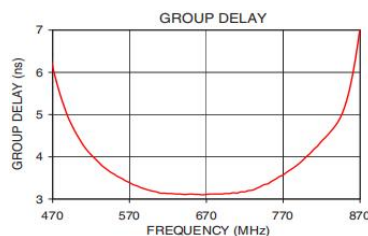
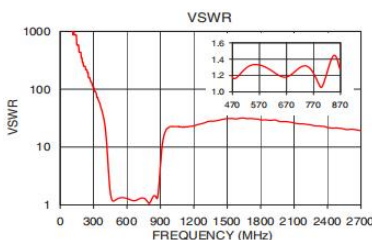
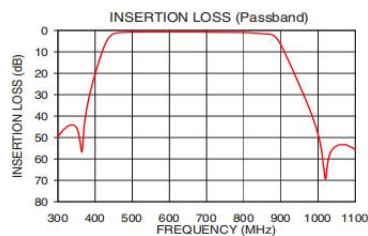
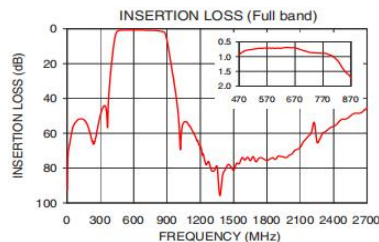
Permanent damage may occur if any of these limits are exceeded.

Pad Connections

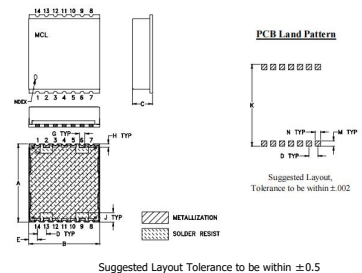
INPUT	2
OUTPUT	9
NO CONNECTION	6,13
GROUND	1,3,4,5,7,8,10,11,12,14

Electrical Specifications at 25°C

Parameter		Frequency(MHz)	Min.	Typ.	Max.	Unit
Pass Band	Center Frequency	-	-	670	-	MHz
	Insertion Loss	470-870	-	2.0	2.8	dB
	VSWR	470-870	-	1.4	1.8	:1
Stop Band, Lower	Insertion Loss	DC-365	20	40	-	dB
	VSWR	DC-365	-	29	-	:1
Stop Band, Upper	Insertion Loss	965-2700	20	30	-	dB
	VSWR	965-2700	-	18	-	:1



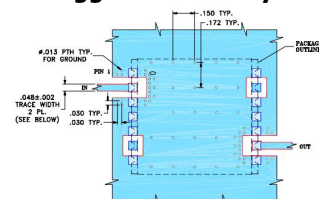
Outline Drawing



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



NOTES:
1. TRACE WIDTH IS GIVEN FOR ROUGH BOARDING.
2. BOARDING TOLERANCE: 0.01" ± 0.001".
3. COUPLES 1/2" TO 3/4" IN SIZE.
4. FOR OTHER MATERIALS TRACE WIDTH MAY NEED TO BE MODIFIED.
5. BOTTOM SIDE OF THE PCB IS CONTINUOUS GROUND PLANE.
6. SUGGESTED PCB COUPLES LAYOUT WITH 0.01" (0.01" MAX OVER BOARD COUPLES).
7. SUGGESTED COUPLES LAND PATTERN FREE OF SOLDERMASK.