



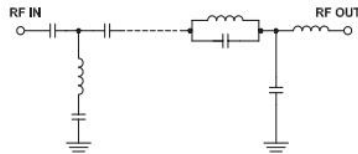
Features

- Sharp roll-off
- Low passband IL
- Shielded case

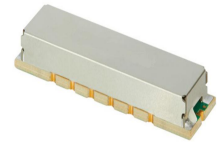
Applications

- Biomedical telemetry devices
- Wireless microphones
- Television broadcasting

Functional Schematic



JY-BPF-A535+



50Ω 460 to 610 MHz

Electrical Specifications at 25°C

Parameter		Frequency(MHz)	Min.	Typ.	Max.	Unit
Pass Band	Center Frequency	-	-	535	-	MHz
	Insertion Loss	460-610	-	1.3	2.0	dB
	VSWR	460-610	-	1.25	1.5	:1
Stop Band, Lower	Insertion Loss	DC-200	30	40	-	dB
	VSWR	DC-300	-	20	-	:1
Stop Band, Upper	Insertion Loss	700-1600	20	30	-	dB
	VSWR	700-1600	-	20	-	:1

Maximum Ratings

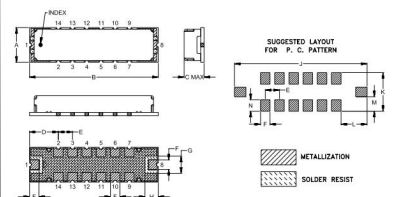
Operating Temperature	-40°C to 85°C
Storage Temperature	-55°C to 100°C
RF Power Input*	0.5 W at 25°C

*Passband rating, derate linearly to 0.25W at 100°C ambient.
Permanent damage may occur if any of these limits are exceeded.

Pad Connections

INPUT	1
OUTPUT	8
GROUND	2,3,4,5,6,7,9,10,11,12,13,14

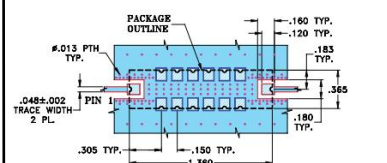
Outline Drawing



Outline Dimensions: Unit (mm)

A	9.27	B	34.54
C	8.89	D	2.54
E	4.57	F	3.56
G	2.54	H	2.54
J	7.75	K	3.81
L	3.05	M	6.99
N	3.86	P	10.29
Q	35.56	WT	4g

Suggested PCB Layout



NOTE:

1. TRACE WIDTH IS SHOWN FOR FR4 WITH DIELECTRIC THICKNESS .002"±.000". 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 SMOBC (SOLDER MASK OVER BARE COPPER)
- DENOTES COPPER LAND PATTERN FREE OF SOLDERMASK