



Bandpass Filter

Features

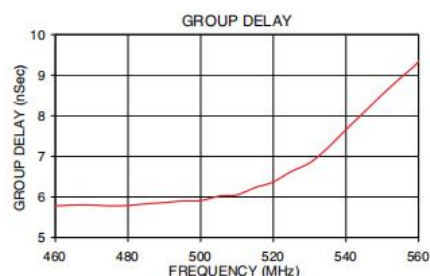
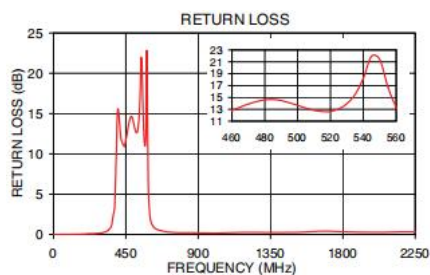
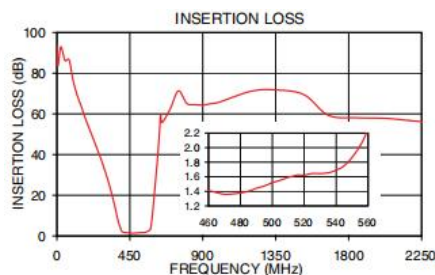
- high rejection
- flat group delay @ passband
- shielded case
- aqueous washable

Applications

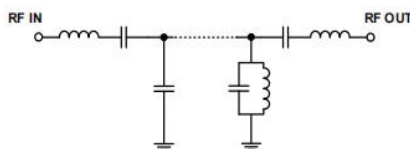
- mobile TV
- receivers / Transmitters
- harmonic rejection

Bandpass Filter Electrical Specifications

CENTER FREQ. (MHz)	PASSBAND (MHz) (Loss < 3.5dB) F1-F2	STOPBANDS (MHz)				VSWR (:1)		
		(loss > 20 dB) F3 F4		(loss > 40 dB) F5 F6		Passband Typ. Max.		Stopband Typ.
507	460-560	300	615	220	635-2250	1.6	2.0	20



Functional Schematic



JY-SXBP-507+



50Ω 460 to 560 MHz

Maximum Ratings

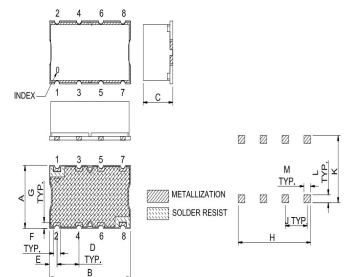
Operating Temperature	-40°C to 85°C
Storage Temperature	-55°C to 100°C
RF Power Input*	0.5W max.

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

Pin Connections

RF IN	1
RF OUT	8
GROUND	2, 3, 4, 5, 6, 7

Outline Drawing

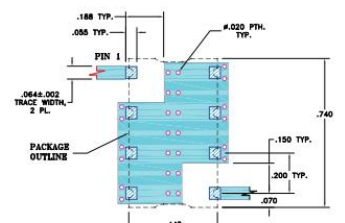


Suggested Layout Tolerance to be within ± 0.5

Outline Dimensions: Unit (mm)

A	11.18	G	1.02
B	18.80	H	16.76
C	6.86	J	5.08
D	5.08	K	11.94
E	1.78	L	1.40
F	1.52	M	1.52
WT	3g		

Suggested PCB Layout



NOTE:

1. TRACE WIDTH IS SHOWN FOR FR4 WITH DIELECTRIC THICKNESS: .005"±.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 SMOBC (SOLDER MASK OVER BASE COPPER)
- DENOTES COPPER LAND PATTERN FREE OF SOLDER MASK