



Features

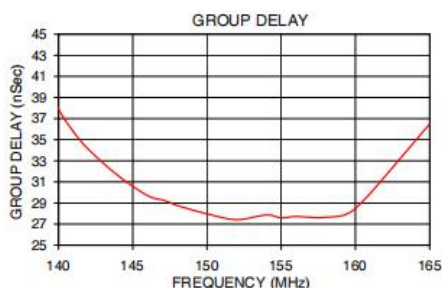
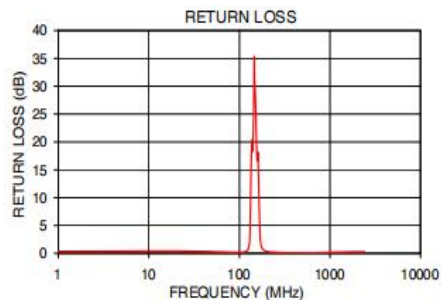
- high rejection
- good VSWR, 1.3:1 typ @ passband
- aqueous washable

Applications

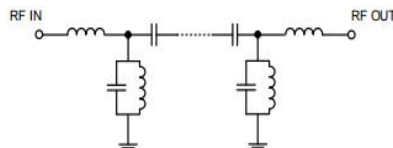
- radio link
- receivers / transmitters
- professional mobile radio / public access mobile radio (PMR/ PAMR)

Bandpass Filter Electrical Specifications

CENTER FREQ. (MHz)	PASSBAND (MHz) (Loss < 3dB)	STOPBANDS (MHz)				VSWR (:1)		
		(loss > 20 dB)	(loss > 40 dB)	(loss > 20 dB)	(loss > 40 dB)	Passband Typ.	Max.	Stopband Typ.
150	140-160	120	190	100	250-2400	1.3	1.8	20



Functional Schematic



JY-SXBP-150+



50Ω 140 to 160 MHz

Maximum Ratings

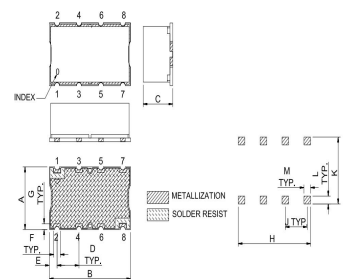
Operating Temperature	-40°C to 85°C
Storage Temperature	-55°C to 100°C
RF Power Input*	0.5W max.

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

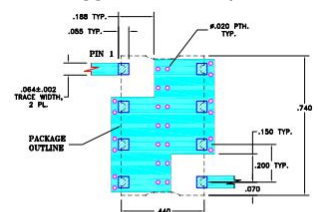


Suggested Layout Tolerance to be within ± 0.5

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: 0.025" (0.635mm). 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 SMD/C (SOLDER MASK OVER BASE COPPER)

■ DENOTES COPPER LAND PATTERN FREE OF SOLDER MASK