



Features

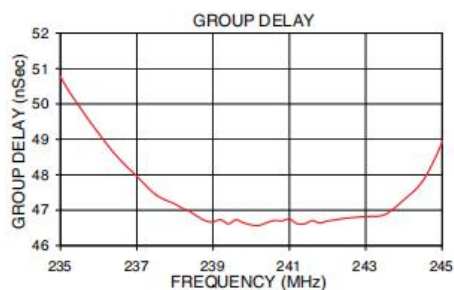
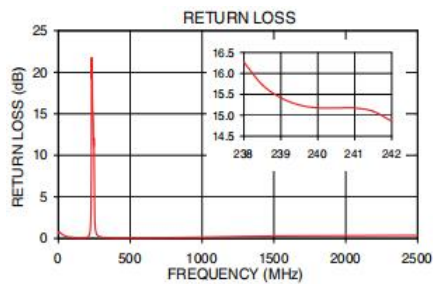
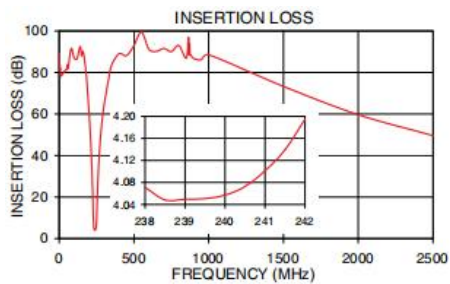
- excellent rejection
- flat group delay @ passband
- good VSWR, 1.3:1 typ. @ passband
- aqueous washable

Applications

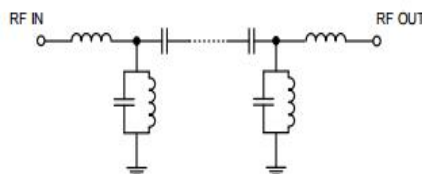
- receivers / transmitters
- wire-line broadband access
- cable system (video & data)

Bandpass Filter Electrical Specifications

CENTER FREQ. (MHz)	PASSBAND (MHz) (Loss < 5dB) F1-F2	STOPBANDS (MHz)				VSWR (:1)	
		(loss > 20 dB) F3	(loss > 40 dB) F4	(loss > 40 dB) F5	(loss > 40 dB) F6	Passband Typ. Max.	Stopband Typ.
240	238-242	220	260	210	275-2500	1.3 1.8	18



Functional Schematic



JY-SXBP-240+



50Ω 238 to 242 MHz

Maximum Ratings

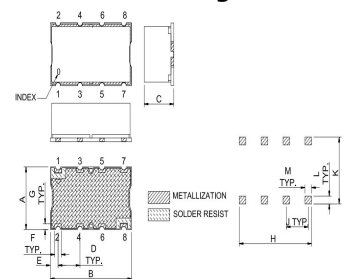
Operating Temperature	-40°C to 85°C
Storage Temperature	-55°C to 100°C
RF Power Input*	0.5W max.

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

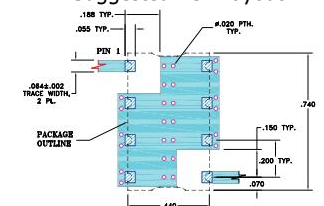


Suggested Layout Tolerance to be within ± 0.5

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. TRACK WIDTH IS SHOWN FOR FR4 WITH DIELECTRIC THICKNESS: .005"±.002". COPPER: 1/2 OZ. EACH SIDE.
FOR OTHER MATERIALS TRACK WIDTH MAY NEED TO BE ADJUSTED.
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 SOLDER MASK