

Features

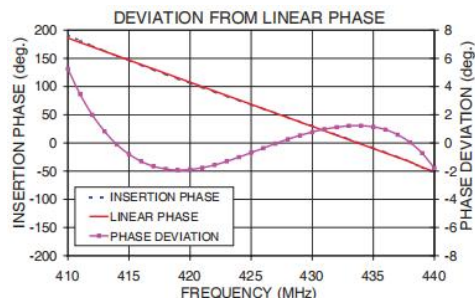
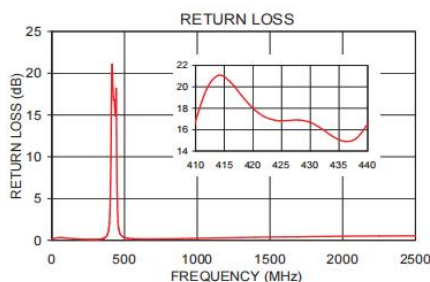
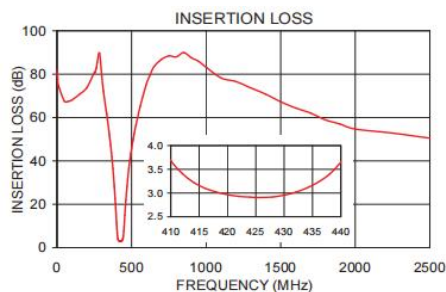
- Linear Phase, up to ± 6 deg typical @ $F_c \pm 15$ MHz
- Good VSWR, 1.3:1 typical in Passband
- High rejection
- Shielded case
- Aqueous washable

Applications

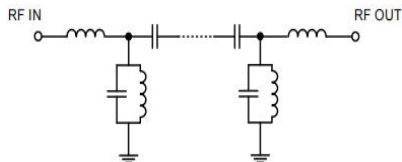
- Industrial Microwave and RF
- Receivers / Transmitters
- Harmonic rejection

Bandpass Filter Electrical Specifications

CENTER FREQ. (MHz)	PASSBAND (MHz) (Loss < 5dB) F1-F2	STOPBANDS (MHz)				MAXIMUM DEVIATION FROM LINEAR PHASE (deg.) $F_c \pm 15$ MHz	VSWR (:1)		
		(loss > 20 dB) F3	(loss > 20 dB) F4	(loss > 40 dB) F5	(loss > 40 dB) F6		Passband Typ.	Stopband Max.	Typ.
425	410-440	385	470	360	510-2500	± 11	1.3	1.85	20



Functional Schematic



JY-SXBP-425+



50Ω 410 to 440 MHz

Maximum Ratings

Operating Temperature -40°C to 85°C

Storage Temperature -55°C to 100°C

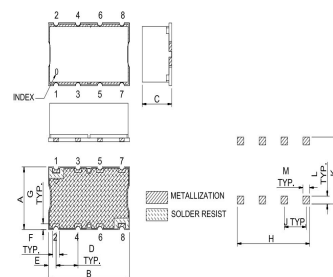
RF Power Input* 0.5W max.

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

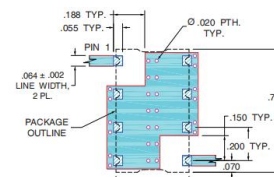


Suggested Layout Tolerance to be within ± 0.5

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



- NOTES:
1. TRACE WIDTH IS SHOWN FOR FR4 WITH DIELECTRIC THICKNESS. $.025 \pm .002$ 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 BARE COPPER)

■ DENOTES COPPER LAND PATTERN FREE OF SOLDERMASK