



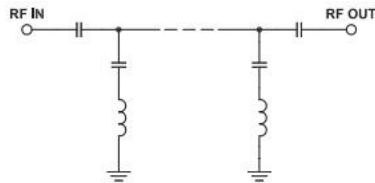
Features

- Low insertion loss
- High rejection
- Miniature shielded package

Applications

- Electromagnetic sensor applications
- Defence communications
- Test and measurement

Functional Schematic



JY-SXHP-5+



50Ω 5 to 400 MHz

Electrical Specifications at 25°C

Parameter		Frequency(MHz)	Min.	Typ.	Max.	Unit
Stop Band	Insertion Loss	DC-3.5	20	29.71	-	dB
	VSWR	DC-3.5	-	20	-	:1
Pass Band	Insertion Loss	5-400	-	0.5	1.2	dB
	VSWR	5-400	-	1.2	1.43	:1

Maximum Ratings

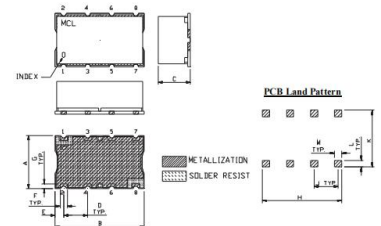
Operating Temperature	-40°C to 85°C
Storage Temperature	-55°C to 100°C
RF Power Input*	2.0 W max @ 25°C

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

Typical Performance Data at 25°C

Frequency (MHz)	Insertion Loss (dB)	VSWR (:1)
1.00	62.78	1737.18
2.00	73.07	434.30
3.00	57.57	133.63
3.20	47.32	102.19
3.30	39.54	86.86
3.40	33.64	75.53
3.50	28.61	64.35
3.70	19.84	40.41
3.82	15.10	27.16
4.00	8.65	11.77
4.20	3.39	3.86
4.30	1.93	2.40
5.00	0.41	1.14
50.00	0.08	1.08
100.00	0.12	1.03
150.00	0.16	1.03
200.00	0.20	1.03
250.00	0.25	1.04
300.00	0.30	1.06
400.00	0.41	1.28

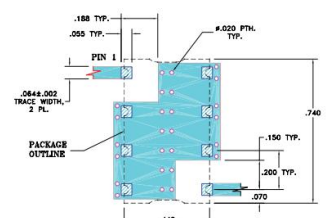
Outline Drawing



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	3.0g		

Suggested PCB Layout



NOTE:

1. TRACE WIDTH IS SHOWN FOR FR4 WITH DIELECTRIC THICKNESS: .008"±.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 SOLDER MASK