

Low Pass Filter

Features

- Flat group delay over passband
- Good VSWR, 1.36:1 typical over passband
- High rejection, 60 dB typical
- Shielded case
- Aqueous washable

Applications

- Test equipment
- Receivers/transmitters
- Harmonic rejection
- Military

Functional Schematic



JY-SXLP-400+



50Ω DC to 400 MHz

Electrical Specifications at 25°C

Parameter		Frequency(MHz)	Min.	Typ.	Max.	Unit
Pass Band	Insertion Loss	DC-400	-	0.7	1.5	dB
	Freq. Cut-Off	435	-	3.5	-	dB
	VSWR	DC-400	-	1.36	-	:1
Stop Band	Insertion Loss	500-2400	20	27	-	dB
	VSWR	500-2400	-	20	-	:1

Maximum Ratings

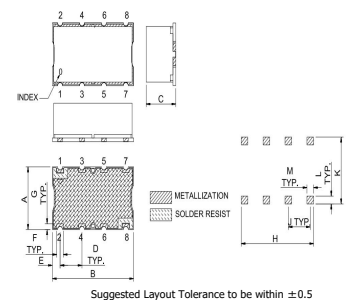
Operating Temperature	-40°C to 85°C
Storage Temperature	-55°C to 100°C
RF Power Input*	1W Max. @ 25°C

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

Pin Connections

INPUT	1
OUTPUT	8
GROUND	2,3,4,5,6,7

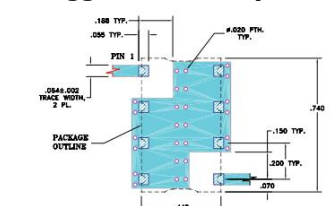
Outline Drawing



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	0.3g		

Suggested PCB Layout



NOTE:
1. TRACE WIDTH IS SHOWN FOR FR4 WITH DIELECTRIC THICKNESS: .003"±.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

