



Features

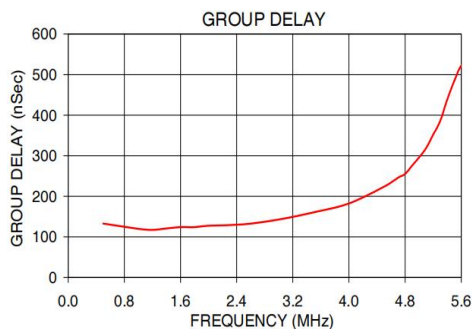
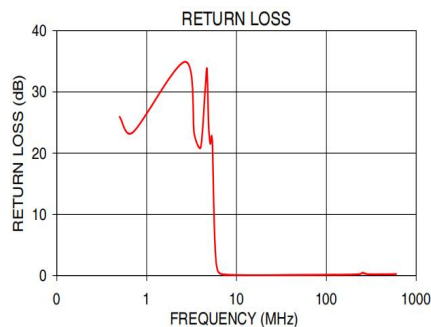
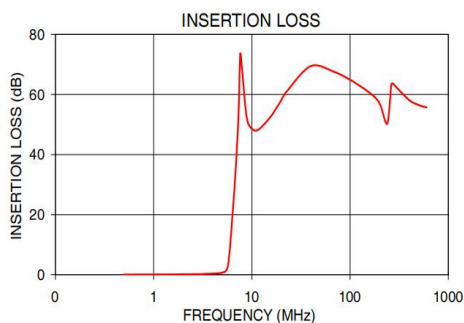
- high rejection
- sharp cut-off
- shielded package
- aqueous washable
- low cost

Applications

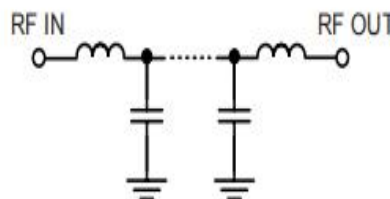
- defense communications
- receivers / transmitters
- harmonic rejection

Low Pass Filter Electrical Specifications (T_{AMB}= 25°C)

PASSBAND (MHz) (Loss<1dB)	FCO ₃ (MHz) Nom. (Loss 3dB)	STOPBAND (MHz)		VSWR(:1)	
		(Loss>20dB)	(Loss>40dB)	Passband Typ.	Stopband Typ.
DC-4.7	5.6	6.6-7.4	7.4-600	1.25	18



Functional Schematic



JY-SXLP-4.7+



50Ω DC to 4.7MHz

Maximum Ratings

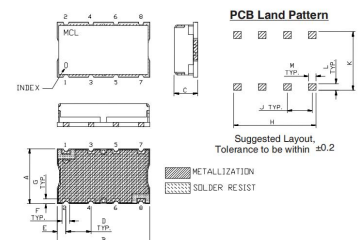
Operating Temperature	-40°C to 85°C
Storage Temperature	-55°C to 100°C
RF Power Input*	0.5W max.

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

Pin Connections

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

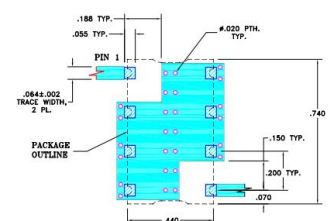
Outline Drawing



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: .025"±.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 BASE COPPER)
■ DENOTES COPPER LAND PATTERN FREE OF SOLDER MASK