

Low Pass Filter

Features

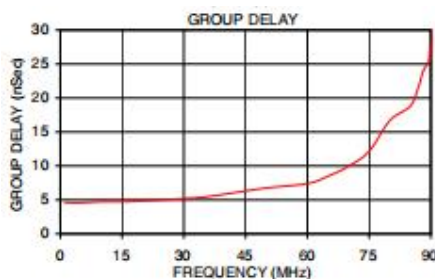
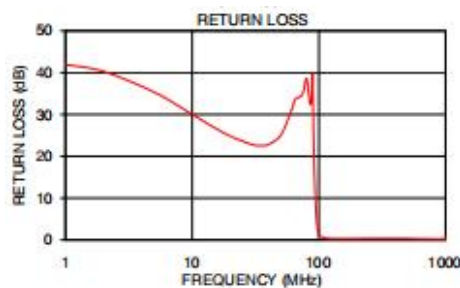
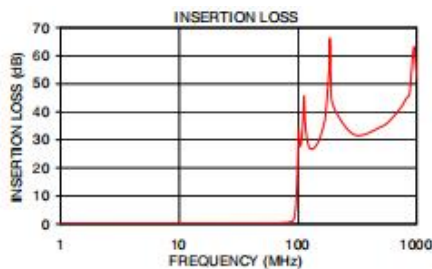
- high rejection
- sharp cut-off
- shielded package
- aqueous washable
- low cost

Applications

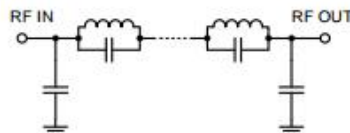
- test equipments
- defense communications
- receivers / transmitters
- harmonic rejection

Low Pass Filter Electrical Specifications ($T_{AMB}=25^{\circ}\text{C}$)

PASSBAND (MHz)	FCO ₂ (MHz) Nom.	STOPBAND (MHz)		VSWR(:1)	
		(Loss>20dB)	(Loss>40dB)	Passband Typ.	Stopband Typ.
DC-90 (Loss<1dB)	94 (Loss 3dB)	105-170	170-1000	1.2	18



Functional Schematic



JY-SXLP-90+



50Ω DC to 90 MHz

Maximum Ratings

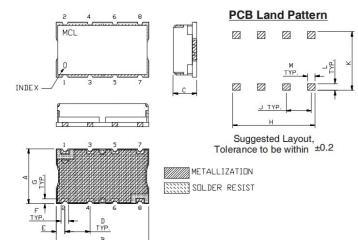
Operating Temperature	-40°C to 85°C
Storage Temperature	-55°C to 100°C
RF Power Input*	0.5W max.

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

Pin Connections

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

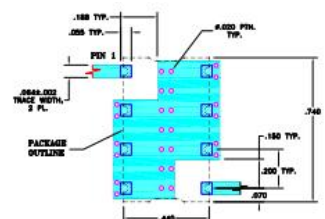
Outline Drawing



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: .0015"(.038"). 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 SOLDER (SOLDER MASK OVER SOLDER COPPER)

■ DENOTES COPPER LAND PATTERN FREE OF SOLDER MASK