



Low Pass Filter

Features

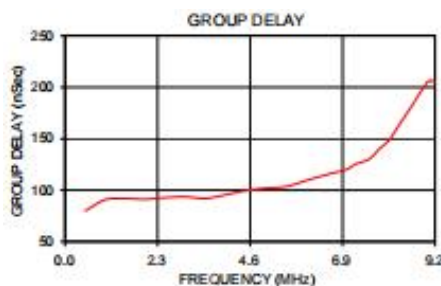
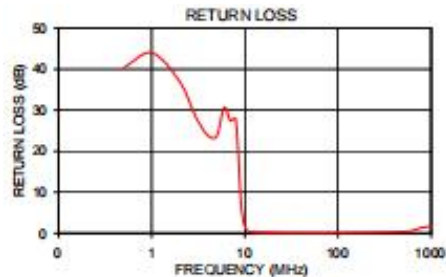
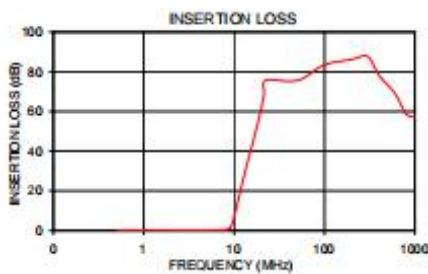
- high rejection
- sharp cut-off
- shielded package
- aqueous washable
- low cost

Applications

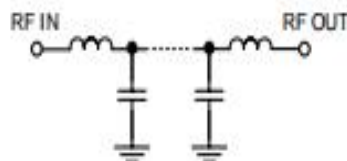
- defense communications
- receivers / transmitters
- harmonic rejection

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

PASSBAND (MHz) (Loss < 1dB)	FCO ₁ (MHz) Nom. (Loss 3dB)	STOPBAND (MHz)		VSWR(:1)	
		(Loss > 20dB)	(Loss > 40dB)	Passband Typ.	Stopband Typ.
DC-8	9.2	12.5-16.5	16.5-1000	1.7	18



Functional Schematic



JY-SXLP-8+



50Ω DC to 8 MHz

Maximum Ratings

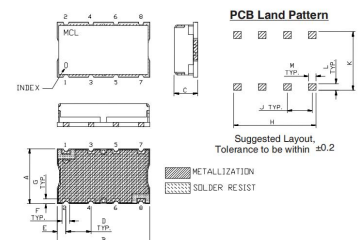
Operating Temperature	-40°C to 85°C
Storage Temperature	-55°C to 100°C
RF Power Input*	0.5W max.

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

Pin Connections

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

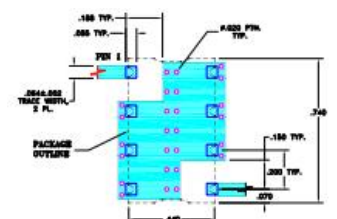
Outline Drawing



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 GIVEN FOR PBA WITH DIELECTRIC THICKNESS: 100μm, COPPER 1/2 OZ. BASE RISE.
FOR OTHER MATERIALS TRACE WIDTH MAY NEED TO BE ADJUSTED.
2. BOTTOM SIDE OF THE PCB IN CONTINUOUS GROUND PLANE.
3. MOUNTED PCB COPPER LAYOUT WITH SOLDER (SOLDER MASK OVER BASE COFFER)
4. MOUNTED COPPER LAYOUT PATTERN FREE OF SOLDER MASK