



Low Pass Filter

Features

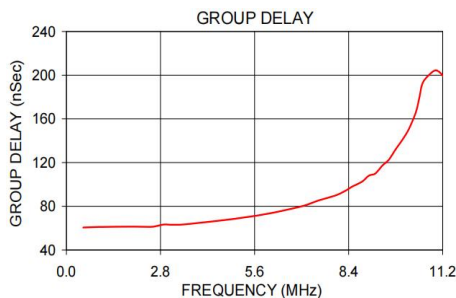
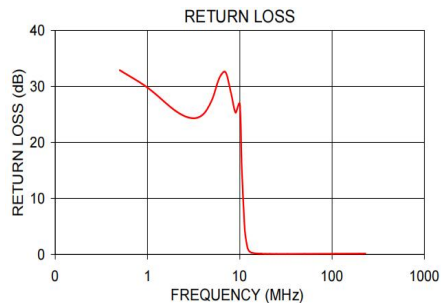
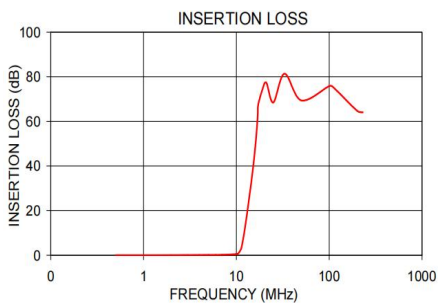
- high rejection
- sharp cut-off
- shielded package
- aqueous washable
- low cost

Applications

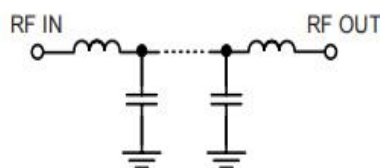
- defense communications
- receivers / transmitters
- harmonic rejection

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

PASSBAND (MHz) (Loss < 1dB)	FCO ₃ (MHz) Nom. (Loss 3dB)	STOPBAND (MHz)		VSWR(:1)	
		(Loss > 20dB)	(Loss > 40dB)	Passband Typ.	Stopband Typ.
DC-10	11.2	14-16	16-230	1.2	18



Functional Schematic



JY-SXLP-10+



50Ω DC to 10 MHz

Maximum Ratings

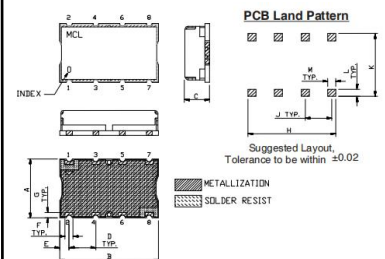
Operating Temperature	-40°C to 85°C
Storage Temperature	-55°C to 100°C
RF Power Input*	0.5W max.

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

Pin Connections

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

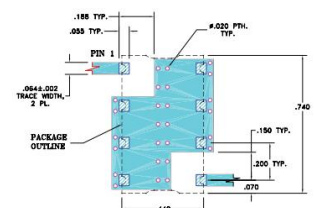
Outline Drawing



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: 0.025-0.035" COPPER: 1/2 OZ. BASE TONE. 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