Coaxial

Low Pass Filter

SLP-10.7+
SLP-10.7

50Ω DC to 11 MHz

Maximum Ratings

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

Features

- good attenuation rate, 1.35 typ. 20dB/ 3dB BW ratio
- rugged shielded case
- other SLP models available with wide selection of cut-off frequencies

Applications

- lab use
- test equipment
- video equipment



CASE STYLE: FF99

Connectors	Model	Price	Qty.
SMA	SLP-10.7(+)	$34.95 ea.	(1-9)

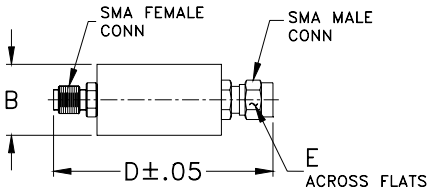
+ RoHS compliant in accordance with EU Directive (2002/95/EC)

The +Suffix identifies RoHS Compliance. See our web site for RoHS Compliance methodologies and qualifications.

Low Pass Filter Electrical Specifications

PASSBAND (MHz)	fco (MHz) Nom.	STOPBAND (MHz)		VSWR (:1)	
				Passband Typ.	Stopband Typ.
(loss < 1 dB)	(loss 3 dB)	(loss > 20 dB)	(loss > 40 dB)		
DC-11	14	19-24	24-200	1.7	18

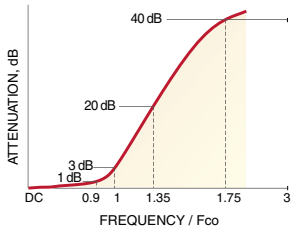
Outline Drawing



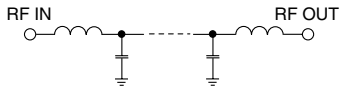
Outline Dimensions (inch / mm)

B	D	E	wt
.67	1.98	.312	grams
17.02	50.29	7.92	42.0

typical frequency response



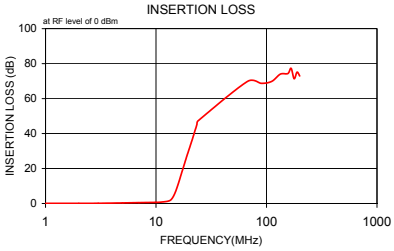
electrical schematic



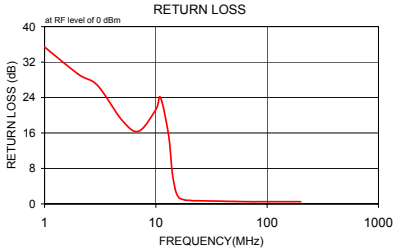
Typical Performance Data

Frequency (MHz)	Insertion Loss (dB) x̄	Insertion Loss (dB) σ	Return Loss (dB)	Frequency (MHz)	Group Delay (nsec)
1.00	0.07	0.1	35.4	1.00	58.80
2.00	0.09	0.1	29.3	2.00	59.10
3.00	0.12	0.1	26.7	3.00	59.27
5.00	0.32	0.1	18.8	5.00	60.97
7.00	0.47	0.1	16.4	7.00	63.36
10.00	0.65	0.1	21.3	10.00	74.88
11.00	0.75	0.1	24.0	11.00	81.22
13.00	1.40	0.2	15.6	12.00	91.07
14.00	2.93	0.6	7.4	13.00	107.18
15.00	6.69	1.2	3.1	13.50	117.87
16.00	11.80	1.5	1.5	14.00	126.32
17.00	17.23	1.5	1.1	15.00	118.46
17.50	19.81	1.6	1.0	15.50	101.87
18.00	22.31	1.6	0.9	16.00	88.38
19.00	27.01	1.7	0.8	16.50	69.67
20.00	31.35	1.7	0.8	17.00	58.26
21.50	37.46	1.8	0.7	17.50	48.58
22.50	41.58	2.0	0.7	18.00	41.98
23.00	43.42	2.0	0.7	19.00	32.50
23.50	45.39	2.3	0.7	20.00	26.26
24.00	47.26	2.3	0.7	21.00	22.78
67.50	69.85	8.9	0.5	21.50	15.91
89.50	68.74	2.9	0.5	22.00	16.35
111.50	69.81	2.2	0.5	22.50	13.87
133.50	73.98	3.2	0.5	23.00	13.79
156.00	74.31	4.9	0.5	23.50	9.85
167.00	77.32	6.1	0.5	24.00	9.53
178.00	71.38	2.8	0.5	67.50	9.31
189.00	75.13	2.8	0.5	78.50	8.98
200.00	72.96	2.1	0.5	89.50	8.70

INSERTION LOSS



RETURN LOSS



GROUP DELAY

