

Coaxial Low Pass Filter

SLP-90+

50Ω DC to 81 MHz

Maximum Ratings

Operating Temperature	-55°C to 100°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.

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



Generic photo used for illustration purposes only

CASE STYLE: FF99

Connectors SMA Model SLP-90+

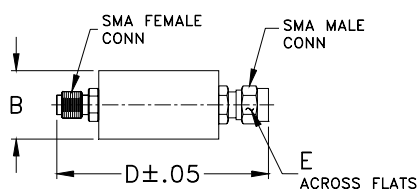
+RoHS Compliant

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)	
		(loss > 20 dB)	(loss > 40 dB)	Passband Typ.	Stopband Typ.
DC-81	90	121-157	157-400	1.7	18

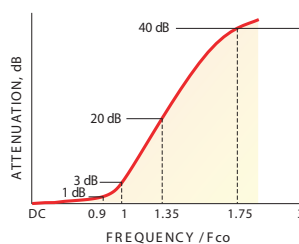
Outline Drawing



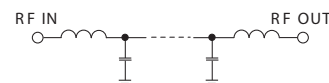
Outline Dimensions (inch/mm)

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

typical frequency response

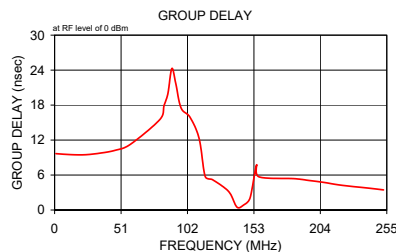
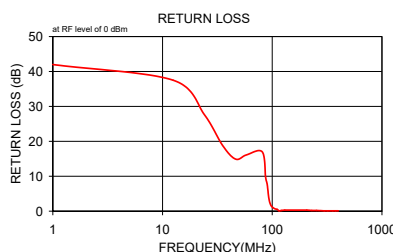
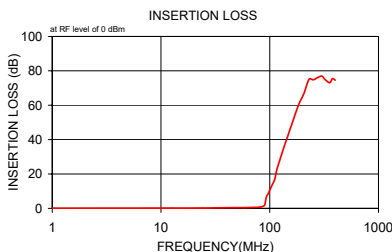


electrical schematic



Typical Performance Data

Frequency (MHz)	Insertion Loss (dB)		Return Loss (dB)	Frequency (MHz)	Group Delay (nsec)
	\bar{x}	σ			
1.00	0.05	0.1	42.0	1.00	9.672
12.50	0.14	0.1	37.5	12.50	9.503
24.00	0.18	0.1	27.7	24.00	9.491
35.50	0.31	0.1	18.7	35.50	9.776
46.50	0.42	0.1	14.9	46.50	10.240
58.00	0.43	0.1	16.1	58.00	11.244
81.00	0.69	0.1	17.0	81.00	15.573
87.00	1.28	0.4	9.7	84.00	17.894
90.00	2.01	0.5	7.6	87.00	19.997
93.00	6.43	0.9	3.8	90.00	24.263
97.00	8.74	1.0	1.7	93.00	21.734
104.01	12.94	1.1	0.8	97.00	17.532
111.00	16.72	1.2	0.5	104.00	15.893
115.52	21.91	1.2	0.1	111.00	12.218
121.03	26.16	1.2	0.2	115.50	5.804
130.03	32.40	1.3	0.3	121.00	5.229
140.04	38.50	1.4	0.3	130.00	3.892
145.04	41.31	1.4	0.3	135.00	2.740
150.04	43.98	1.5	0.3	140.00	0.487
155.05	46.76	1.7	0.3	145.00	0.841
157.05	47.69	1.8	0.3	150.00	2.060
184.06	60.11	2.9	0.3	155.00	7.687
206.57	66.87	1.4	0.3	157.00	5.680
229.58	75.03	5.6	0.2	184.00	5.380
252.57	74.83	7.6	0.2	195.50	5.060
298.08	76.96	7.1	0.1	206.50	4.740
321.08	75.07	4.9	0.1	218.00	4.320
355.57	73.10	4.4	0.1	229.50	4.010
378.08	75.50	4.8	0.1	241.00	3.760
400.07	74.56	6.3	0.1	252.50	3.450



Notes

- Performance and quality attributes and conditions not expressly stated in this specification document are intended to be excluded and do not form a part of this specification document.
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