

# Coaxial Low Pass Filter

## SLP-150+

50Ω DC to 140 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 Model  
SMA SLP-150+

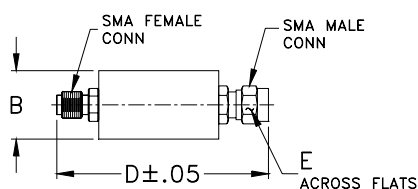
**+RoHS Compliant**

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-140	155	210-300	300-600	1.7	18

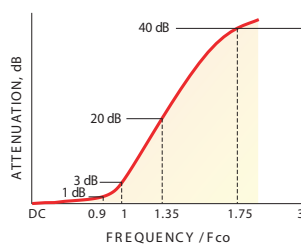
### Outline Drawing



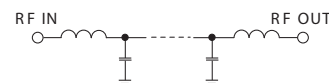
### Outline Dimensions (inch/mm)

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

### typical frequency response

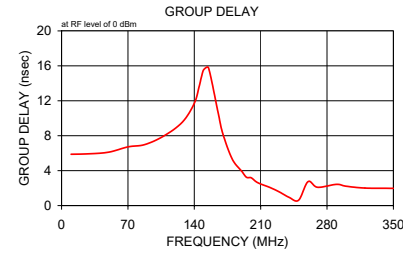
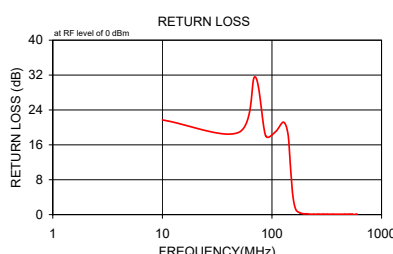
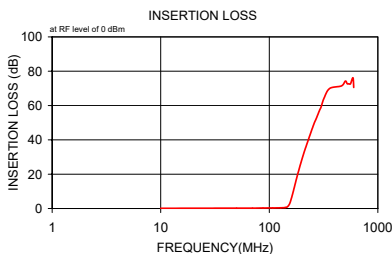


### electrical schematic



### Typical Performance Data

Frequency (MHz)	Insertion Loss (dB)		Return Loss (dB)	Frequency (MHz)	Group Delay (nsec)
	$\bar{x}$	$\sigma$			
10.00	0.12	0.1	21.7	10.00	5.875
50.00	0.20	0.0	18.9	30.00	5.932
70.00	0.19	0.1	31.6	50.00	6.124
87.50	0.30	0.1	18.1	70.00	6.723
107.50	0.34	0.1	19.0	87.50	6.973
127.50	0.43	0.1	21.2	107.50	7.940
140.00	0.59	0.1	18.5	127.50	9.564
147.50	1.11	0.1	11.0	140.00	11.710
155.00	3.27	0.2	4.3	145.00	13.582
165.00	9.15	0.4	1.2	147.50	14.703
180.00	18.50	0.6	0.4	150.00	15.571
195.03	26.35	0.7	0.2	155.00	15.775
200.03	28.70	0.7	0.2	165.00	10.701
205.00	30.89	0.7	0.2	170.00	8.263
210.03	33.01	0.8	0.2	180.00	5.337
220.04	36.90	0.8	0.1	190.00	3.934
240.04	43.83	0.9	0.1	195.00	3.242
260.05	49.92	1.3	0.1	200.00	3.185
270.05	52.20	1.9	0.1	205.00	2.751
290.06	57.13	1.7	0.1	210.00	2.474
300.00	59.12	2.5	0.1	220.00	2.061
320.00	64.42	3.7	0.1	230.00	1.548
360.00	69.97	6.8	0.1	240.00	0.945
462.50	71.43	5.2	0.1	250.00	0.617
502.50	74.26	2.1	0.1	260.00	2.736
522.50	72.73	2.6	0.1	270.00	2.100
540.00	72.69	4.1	0.1	290.00	2.428
560.00	72.65	5.6	0.0	300.00	2.217
590.00	76.20	9.3	0.1	320.00	2.006
600.00	70.55	3.8	0.1	350.00	1.977



### 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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