

Coaxial

Low Pass Filter

50Ω DC to 32 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-30(+)	\$34.95 ea.	(1-9)

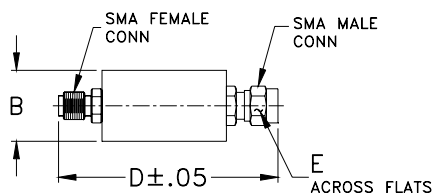
+ RoHS compliant in accordance with EU Directive (2002/95/EC)

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)
(loss < 1 dB)	(loss 3 dB)	(loss > 20 dB) (loss > 40 dB)	Passband Typ. Stopband Typ.
DC-32	35	47-61 61-200	1.7 18

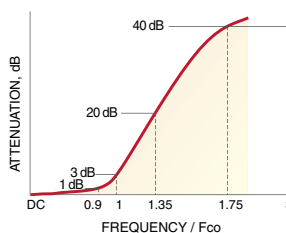
Outline Drawing



Outline Dimensions (inch/mm)

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

typical frequency response

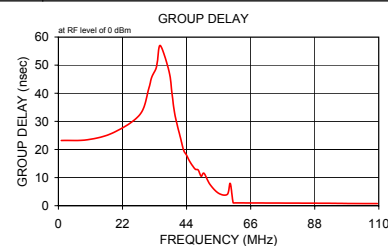
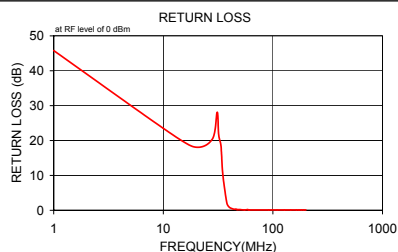
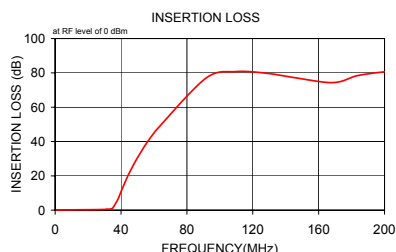


electrical schematic



Typical Performance Data

Frequency (MHz)	Insertion Loss (dB)	Return Loss (dB)	Frequency (MHz)	Group Delay (nsec)
	$\bar{x}$ σ			
1.00	0.07 0.1	45.8	1.00	23.20
10.00	0.21 0.1	23.5	10.00	23.47
19.00	0.29 0.1	18.2	19.00	26.06
28.00	0.37 0.1	20.4	28.00	32.45
31.00	0.48 0.1	28.1	31.00	41.59
32.00	0.55 0.1	21.8	32.00	45.56
33.50	0.62 0.1	18.8	33.50	48.79
34.00	0.76 0.1	16.1	34.00	51.33
35.00	1.30 0.3	9.9	35.00	56.96
38.00	6.09 0.9	2.1	38.00	47.73
40.00	10.78 0.9	0.9	39.00	39.87
43.00	17.56 0.8	0.4	40.00	32.35
45.00	21.65 0.7	0.3	42.00	23.79
46.00	23.56 0.7	0.3	43.00	19.72
47.00	25.39 0.7	0.2	44.00	17.97
48.00	27.19 0.7	0.2	45.00	15.87
50.00	30.58 0.6	0.2	46.00	14.29
55.00	38.32 0.6	0.1	47.00	12.98
59.00	43.69 0.7	0.2	48.00	12.68
60.00	45.01 0.7	0.1	49.00	10.48
61.00	46.27 0.5	0.1	50.00	11.50
91.50	76.88 4.1	0.1	52.00	7.62
109.50	80.77 5.3	0.1	55.00	4.41
127.50	79.89 2.8	0.1	58.00	4.04
145.50	77.20 3.0	0.1	59.00	7.93
164.00	74.52 3.4	0.1	60.00	1.04
173.00	74.92 3.8	0.1	61.00	0.99
182.00	78.05 5.9	0.1	91.50	0.88
191.00	79.62 6.8	0.1	100.50	0.79
200.00	80.65 6.9	0.1	109.50	0.75



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