

Coaxial Low Pass Filter

50Ω DC to 780 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

SLP-850+



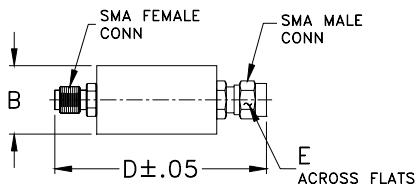
CASE STYLE: FF99

Connectors SMA
Model SLP-850+

+RoHS Compliant

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

Outline Drawing



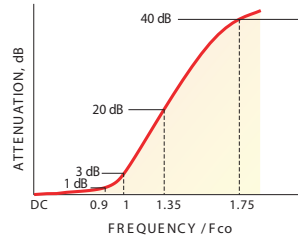
Outline Dimensions (inch/mm)

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

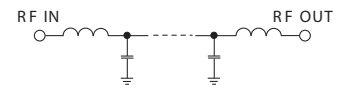
Low Pass Filter Electrical Specifications

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-780	850	1100-1400	1400-2000	1.7	18

typical frequency response

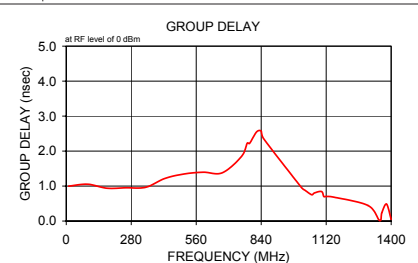
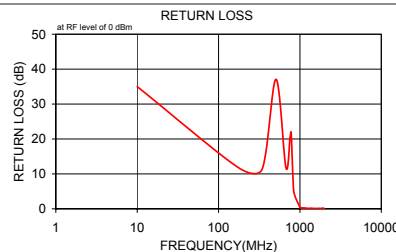


electrical schematic



Typical Performance Data

Frequency (MHz)	Insertion Loss (dB)	Return Loss (dB)	Frequency (MHz)	Group Delay (nsec)
	$\bar{x}$ σ			
10.00	0.02 0.1	35.0	10.0	1.00
175.00	0.38 0.1	11.8	92.5	1.05
342.50	0.44 0.1	11.3	175.0	0.94
507.50	0.18 0.1	37.1	257.5	0.95
672.50	0.57 0.1	11.8	342.5	0.97
755.00	0.43 0.1	20.2	425.0	1.22
780.00	0.40 0.1	21.9	507.5	1.35
820.00	1.33 0.6	9.1	590.0	1.40
850.00	3.00 0.9	4.4	672.5	1.38
1010.00	17.47 1.1	0.3	755.0	1.85
1030.00	19.18 1.1	0.2	780.0	2.23
1050.00	20.83 1.1	0.2	790.0	2.22
1060.00	21.63 1.1	0.2	820.0	2.55
1070.00	22.41 1.1	0.2	840.0	2.57
1100.00	24.70 1.1	0.2	850.0	2.36
1110.00	25.52 1.1	0.2	1010.0	0.99
1150.00	28.51 1.2	0.2	1020.0	0.92
1350.00	43.25 1.6	0.1	1030.0	0.88
1360.00	44.10 1.9	0.1	1050.0	0.78
1380.00	45.39 1.8	0.1	1060.0	0.75
1400.00	47.43 2.2	0.1	1070.0	0.80
1420.00	48.89 2.1	0.1	1100.0	0.84
1667.50	69.86 3.1	0.1	1110.0	0.70
1750.00	70.13 6.6	0.1	1120.0	0.70
1835.00	69.30 4.7	0.1	1150.0	0.69
1900.00	67.90 2.7	0.1	1300.0	0.45
1920.00	70.63 3.5	0.1	1350.0	0.02
1930.00	69.67 2.6	0.1	1360.0	0.24
1950.00	74.71 7.2	0.1	1380.0	0.48
2000.00	68.74 4.9	0.1	1400.0	0.05



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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