Coaxial

Low Pass Filter

SLP-1.9+

50Ω DC to 1.9 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

CASE STYLE: FF99

Connectors	Model	Price	Qty.
SMA	SLP-1.9+	$36.95 ea.	(1-9)

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

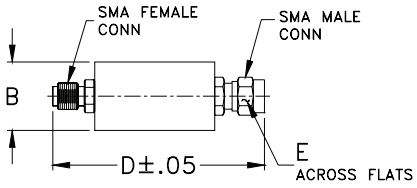
The +Suffix has been added in order to identify RoHS Compliance. See our web site for RoHS Compliance methodologies and qualifications.

Low Pass Filter Electrical Specifications

PASSBAND (MHz) (loss < 1 dB)	fco (MHz) Nom. (loss 3 dB)	STOPBAND (MHz) (loss > 20 dB)	STOPBAND (MHz) (loss > 40 dB)	VSWR (:1) Passband Typ.	VSWR (:1) Stopband Typ.
DC-1.9	2.5	3.4-4.7	4.7-200	1.7	18

1 dB compression at +13 dBm input power

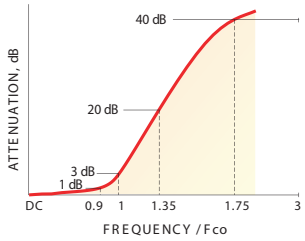
Outline Drawing



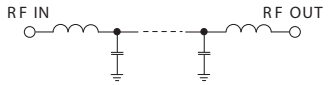
Outline Dimensions (inch / mm)

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

typical frequency response

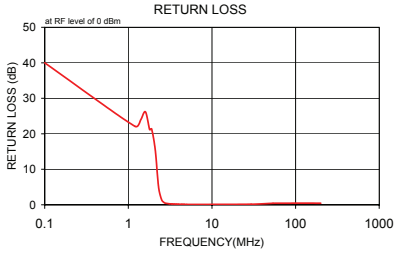


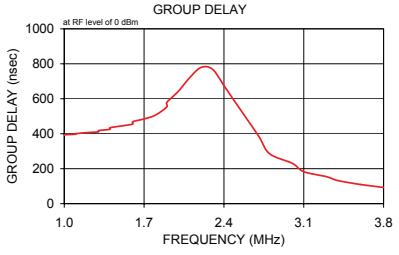
electrical schematic



Typical Performance Data

Frequency (MHz)	Insertion Loss (dB) x̄	Insertion Loss (dB) σ	Return Loss (dB)	Frequency (MHz)	Group Delay (nsec)
0.10	0.09	0.01	40.00	1.00	390.94
1.20	0.24	0.02	22.11	1.00	393.92
1.40	0.26	0.01	23.88	1.10	397.21
1.60	0.31	0.01	26.19	1.10	400.27
1.80	0.40	0.02	21.19	1.20	406.34
1.90	0.45	0.02	21.37	1.30	410.76
2.10	0.75	0.12	15.39	1.30	417.77
2.30	2.93	0.75	5.05	1.40	425.39
2.50	8.32	1.21	1.43	1.40	434.33
2.70	14.69	1.17	0.59	1.50	444.37
2.80	17.71	1.12	0.45	1.60	455.27
3.00	23.30	1.01	0.32	1.60	468.79
3.10	25.89	0.96	0.29	1.70	484.50
3.30	30.68	0.90	0.24	1.80	506.65
3.40	32.92	0.87	0.22	1.90	554.15
3.60	37.12	0.84	0.20	1.90	579.78
3.80	41.00	0.81	0.18	2.00	642.41
4.00	44.61	0.79	0.17	2.10	720.76
4.30	49.67	0.81	0.15	2.20	779.41
4.50	52.78	0.80	0.14	2.30	768.87
4.70	55.74	0.88	0.13	2.40	675.19
5.00	60.00	0.86	0.11	2.50	579.64
29.40	92.50	4.17	0.17	2.70	390.84
53.80	91.19	3.63	0.42	2.80	286.22
78.10	92.39	2.10	0.45	3.00	230.56
102.50	87.80	2.75	0.46	3.10	182.81
126.90	89.05	3.87	0.47	3.30	153.96
151.30	87.17	2.60	0.46	3.40	132.22
175.60	92.87	7.14	0.44	3.60	109.19
200.00	86.82	4.04	0.44	3.80	92.80





For detailed performance specs & shopping online see web site

REV. B
M113397
SLP-1.9+
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