

Coaxial Low Pass Filter

50Ω DC to 2700 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

SLP-2950+
SLP-2950



CASE STYLE: FF99

Connectors	Model	Price	Qty.
SMA	SLP-2950(+)	\$36.95 ea.	(1-9)

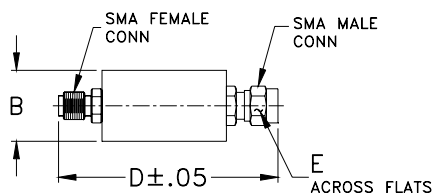
+ RoHS compliant in accordance with EU Directive (2002/95/EC)

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-2700	2950	3700-4500 4500-6000	1.3 18

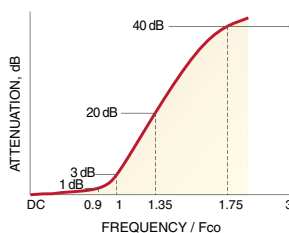
Outline Drawing



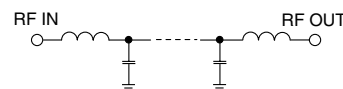
Outline Dimensions (inch mm)

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

typical frequency response

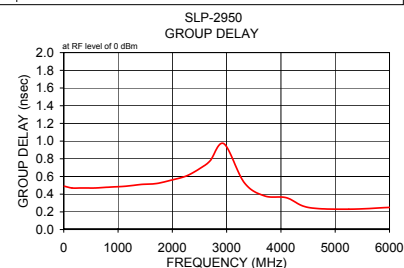
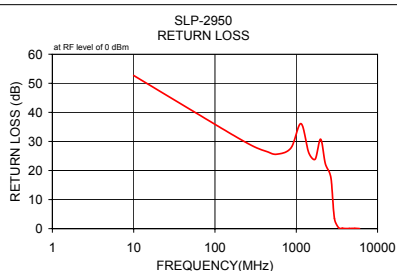
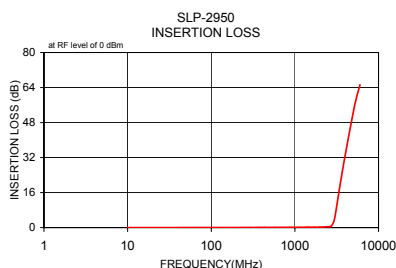


electrical schematic



Typical Performance Data

Frequency (MHz)	Insertion Loss (dB)	Return Loss (dB)	Frequency (MHz)	Group Delay (nsec)
	$\bar{x}$ σ			
10.00	0.01 0.00	52.68	10.00	0.49
151.57	0.04 0.00	32.88	151.57	0.47
293.15	0.07 0.00	28.39	293.15	0.47
434.73	0.09 0.01	26.51	434.73	0.47
576.31	0.10 0.01	25.60	576.31	0.47
859.47	0.12 0.01	27.73	859.47	0.48
1142.63	0.14 0.01	36.13	1142.63	0.49
1425.78	0.19 0.02	26.10	1425.78	0.51
1708.94	0.21 0.02	23.87	1708.94	0.52
1992.10	0.23 0.01	30.78	1992.10	0.56
2275.26	0.30 0.02	22.41	2275.26	0.61
2558.42	0.41 0.04	19.38	2558.42	0.71
2700.00	0.58 0.12	16.56	2700.00	0.78
2950.00	3.40 0.95	3.51	2950.00	0.97
3325.00	15.26 1.29	0.29	3325.00	0.53
3700.00	26.05 1.34	0.14	3700.00	0.38
4100.00	35.49 1.43	0.03	4100.00	0.36
4500.00	43.92 1.60	0.07	4500.00	0.25
5250.00	56.88 1.91	0.10	5250.00	0.23
6000.00	65.29 2.87	0.03	6000.00	0.25



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