

Coaxial Low Pass Filter

50Ω DC to 1400 MHz

SLP-1650+
SLP-1650



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-1650(+)	\$36.95 ea.	(1-9)

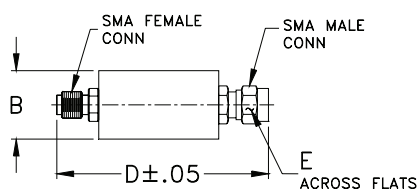
+ RoHS compliant in accordance with EU Directive (2002/95/EC)

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

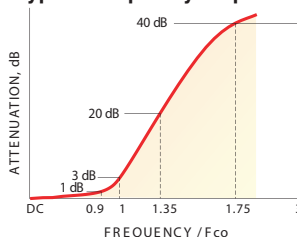
Low Pass Filter Electrical Specifications

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-1400	1650	2300-2900 2900-6000	1.3 18

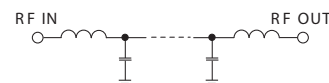
Outline Drawing



typical frequency response



electrical schematic

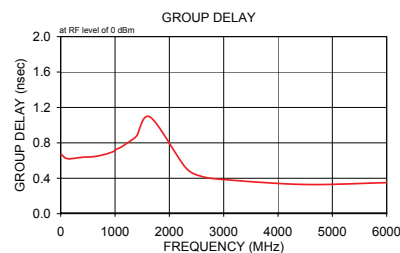
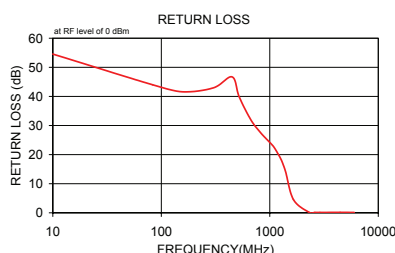
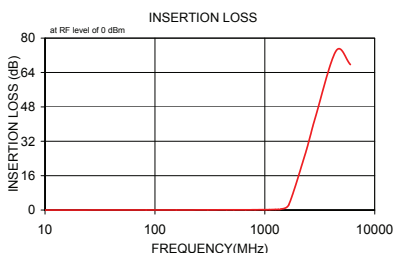


Outline Dimensions (inch/mm)

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

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	10.00	0.67
83.15	0.03	0.00	83.15	0.63
156.31	0.04	0.00	156.31	0.62
302.63	0.07	0.01	302.63	0.63
448.94	0.09	0.01	448.94	0.64
522.10	0.10	0.01	522.10	0.64
668.42	0.11	0.01	668.42	0.65
814.73	0.14	0.01	814.73	0.67
961.05	0.17	0.01	961.05	0.70
1034.21	0.17	0.01	1034.21	0.73
1107.36	0.19	0.01	1107.36	0.75
1253.68	0.25	0.02	1253.68	0.81
1326.84	0.31	0.02	1326.84	0.84
1400.00	0.42	0.02	1400.00	0.88
1650.00	2.45	0.50	1650.00	1.09
2300.00	25.15	0.47	2300.00	0.52
2600.00	34.79	0.99	2600.00	0.42
2900.00	43.62	2.12	2900.00	0.39
4450.00	74.07	10.02	4450.00	0.33
6000.00	67.71	13.03	6000.00	0.35



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