

Coaxial Low Pass Filter

SLP-1650+

50Ω DC to 1400 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



Generic photo used for illustration purposes only

CASE STYLE: FF99

Connectors	Model
SMA	SLP-1650+

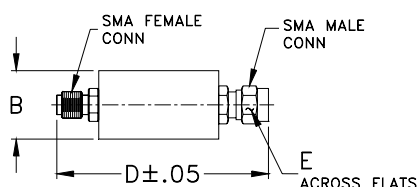
+RoHS Compliant

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

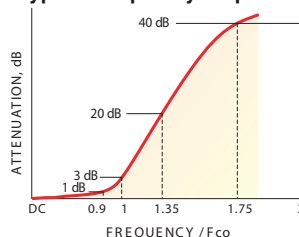
Low Pass Filter Electrical Specifications

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

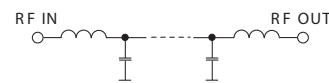
Outline Drawing



typical frequency response



electrical schematic

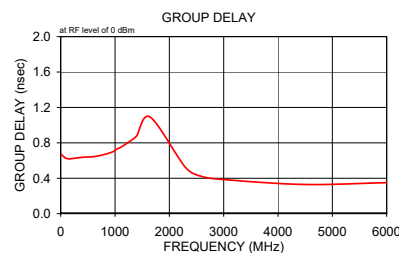
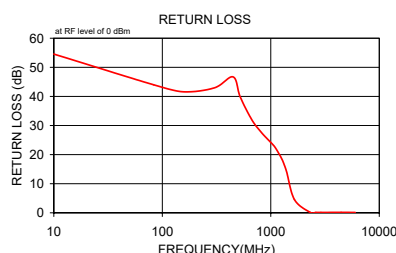
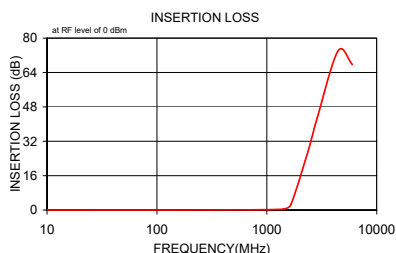


Outline Dimensions (inch/mm)

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) $\bar{x}$ σ	Return Loss (dB)	Frequency (MHz)	Group Delay (nsec)
10.00	0.01 0.00	54.57	10.00	0.67
83.15	0.03 0.00	44.01	83.15	0.63
156.31	0.04 0.00	41.59	156.31	0.62
302.63	0.07 0.01	42.96	302.63	0.63
448.94	0.09 0.01	46.71	448.94	0.64
522.10	0.10 0.01	39.86	522.10	0.64
668.42	0.11 0.01	31.98	668.42	0.65
814.73	0.14 0.01	27.73	814.73	0.67
961.05	0.17 0.01	24.86	961.05	0.70
1034.21	0.17 0.01	23.60	1034.21	0.73
1107.36	0.19 0.01	22.24	1107.36	0.75
1253.68	0.25 0.02	18.78	1253.68	0.81
1326.84	0.31 0.02	16.60	1326.84	0.84
1400.00	0.42 0.02	14.05	1400.00	0.88
1650.00	2.45 0.50	4.55	1650.00	1.09
2300.00	25.15 0.47	0.18	2300.00	0.52
2600.00	34.79 0.99	0.13	2600.00	0.42
2900.00	43.62 2.12	0.12	2900.00	0.39
4450.00	74.07 10.02	0.14	4450.00	0.33
6000.00	67.71 13.03	0.12	6000.00	0.35



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.
- Electrical specifications and performance data contained in this specification document are based on Mini-Circuits' applicable established test performance criteria and measurement instructions.
- The parts covered by this specification document are subject to Mini-Circuits' standard limited warranty and terms and conditions (collectively, "Standard Terms"); Purchasers of this part are entitled to the rights and benefits contained therein. For a full statement of the Standard Terms and the exclusive rights and remedies thereunder, please visit Mini-Circuits' website at www.minicircuits.com/MCStore/terms.jsp



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