

Coaxial Low Pass Filter

50Ω DC to 2200 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-2400+



CASE STYLE: FF99

Connectors Model
SMA SLP-2400+

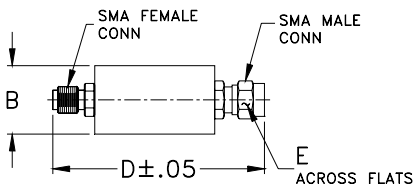
+RoHS Compliant

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

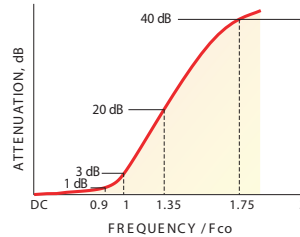
Low Pass Filter Electrical Specifications

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-2200	2400	3150-4000	4000-6000	1.3	18

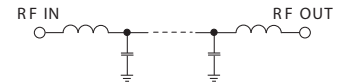
Outline Drawing



typical frequency response



electrical schematic

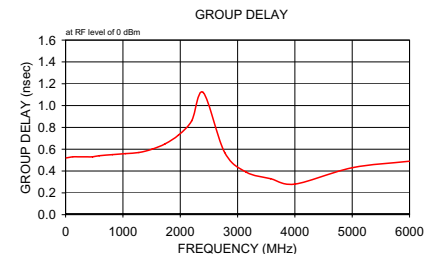
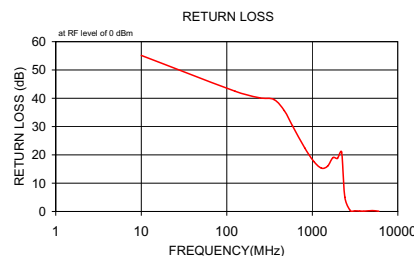
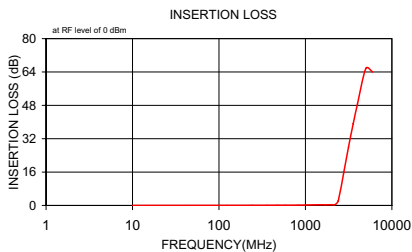


Outline Dimensions (inch/mm)

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	0.52
125.26	0.04	0.00	125.26	0.53
240.52	0.06	0.00	240.52	0.53
355.78	0.07	0.00	355.78	0.53
471.05	0.09	0.00	471.05	0.53
586.31	0.11	0.00	586.31	0.54
816.84	0.15	0.01	816.84	0.55
1047.36	0.22	0.02	1047.36	0.56
1277.89	0.29	0.03	1277.89	0.57
1508.42	0.30	0.03	1508.42	0.60
1738.94	0.29	0.03	1738.94	0.65
1969.47	0.34	0.02	1969.47	0.73
2200.00	0.40	0.09	2200.00	0.86
2400.00	2.33	0.51	2400.00	1.12
2775.00	15.86	0.66	2775.00	0.57
3150.00	28.00	0.65	3150.00	0.39
3575.00	39.27	0.75	3575.00	0.33
4000.00	48.63	0.94	4000.00	0.28
5000.00	65.70	2.14	5000.00	0.43
6000.00	63.98	12.24	6000.00	0.49



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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