

Coaxial

Low Pass Filter

50Ω DC to 400 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-450+



CASE STYLE: FF99

Connectors	Model
SMA	SLP-450+

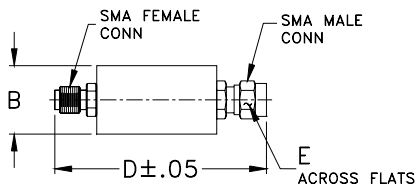
+RoHS Compliant

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-400	440	580-750 750-1800	1.7 18

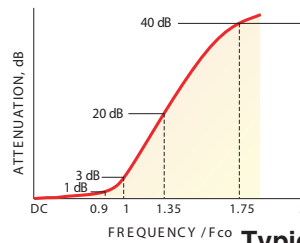
Outline Drawing



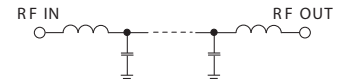
Outline Dimensions (inch/mm)

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

typical frequency response

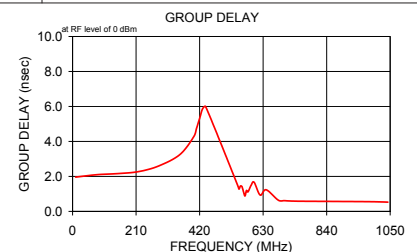
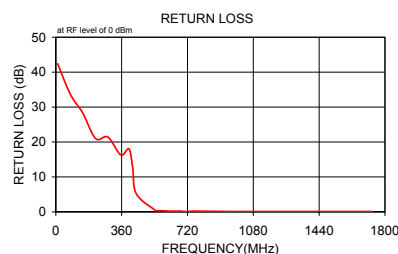


electrical schematic



Typical Performance Data

Frequency (MHz)	Insertion Loss (dB)	Return Loss (dB)	Frequency (MHz)	Group Delay (nsec)
$\bar{x}$	σ			
10.00	0.02	0.1	10.00	1.96
80.00	0.06	0.1	80.00	2.10
147.50	0.10	0.1	147.50	2.16
217.50	0.19	0.1	217.50	2.27
285.00	0.25	0.1	285.00	2.60
355.00	0.46	0.1	355.00	3.25
400.00	0.63	0.1	400.00	4.26
420.00	1.01	0.1	410.00	4.76
440.00	2.84	0.2	420.00	5.32
545.00	26.52	0.9	430.00	5.87
555.00	28.57	0.9	440.00	5.99
565.00	30.55	1.0	545.00	1.52
570.00	31.51	1.0	550.00	1.28
575.00	32.52	1.0	555.00	1.45
580.00	33.47	1.0	560.00	1.42
590.00	35.44	1.0	565.00	1.12
620.00	40.86	1.1	570.00	0.88
680.00	51.19	1.6	575.00	1.20
700.00	54.79	1.8	580.00	1.11
720.06	57.91	1.2	590.00	1.48
750.00	62.99	2.7	600.00	1.67
975.00	69.53	2.1	620.00	0.93
1112.50	78.46	9.9	640.00	1.24
1250.00	68.87	2.9	680.00	0.64
1387.50	69.76	8.2	700.00	0.62
1525.00	70.50	5.6	720.00	0.59
1592.50	68.09	0.9	750.00	0.58
1662.50	71.23	4.9	975.00	0.56
1730.00	72.22	6.0	1042.50	0.53
1800.00	67.80	4.1	1112.50	0.52



Notes

- A. 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.
- B. Electrical specifications and performance data contained in this specification document are based on Mini-Circuits' applicable established test performance criteria and measurement instructions.
- C. 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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