

Coaxial Low Pass Filter

SLP-600+ SLP-600

50Ω DC to 580 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



CASE STYLE: FF99

Connectors	Model	Price	Qty.
SMA	SLP-600(+)	\$34.95 ea.	(1-9)

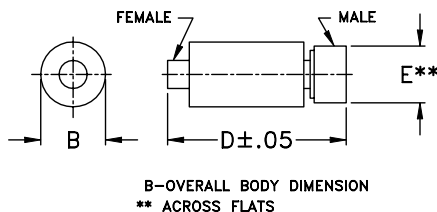
+ RoHS compliant in accordance with EU Directive (2002/95/EC)

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

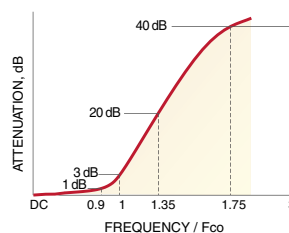
Low Pass Filter Electrical Specifications

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-580	640	840-1120 1120-2000	1.7 18

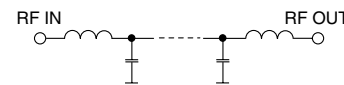
Outline Drawing



typical frequency response

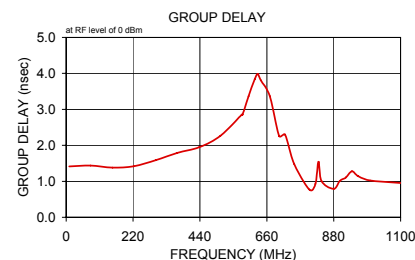
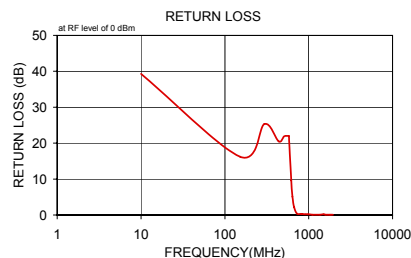
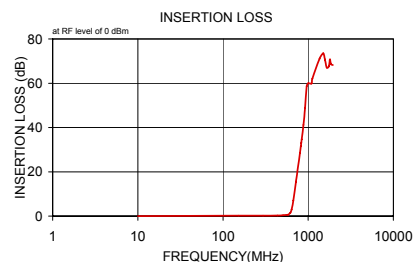


electrical schematic



Typical Performance Data

Frequency (MHz)	Insertion Loss (dB)	Return Loss (dB)	Frequency (MHz)	Group Delay (nsec)
	$\bar{x}$ σ			
10.00	0.01 0.1	39.3	10.00	1.41
152.50	0.22 0.2	16.2	80.00	1.44
295.00	0.20 0.1	25.3	152.50	1.38
437.50	0.28 0.1	20.5	222.50	1.42
507.50	0.37 0.1	21.9	295.00	1.59
577.50	0.59 0.1	22.0	365.00	1.79
580.00	0.60 0.1	21.9	437.50	1.95
620.00	1.50 0.3	9.6	507.50	2.27
640.00	2.98 0.4	5.1	577.50	2.86
670.00	7.09 0.6	2.1	580.00	2.85
720.00	15.52 2.0	0.4	600.00	3.36
800.00	28.44 4.7	0.3	620.00	3.84
820.00	31.52 5.4	0.3	630.00	4.98
830.00	33.06 5.7	0.3	640.00	3.81
840.00	34.63 6.1	0.3	670.00	3.37
880.00	41.22 8.0	0.2	700.00	2.26
920.00	48.84 9.9	0.2	720.00	2.30
960.00	58.62 9.9	0.2	750.00	1.48
1000.00	59.95 9.9	0.2	800.00	0.77
1100.00	59.89 8.4	0.1	820.00	0.93
1120.00	62.05 8.8	0.1	830.00	1.54
1360.00	71.05 2.3	0.1	840.00	1.00
1502.50	73.53 9.3	0.2	880.00	0.79
1572.50	70.71 4.9	0.1	900.00	1.01
1650.00	67.12 3.4	0.1	920.00	1.11
1750.00	67.73 7.7	0.1	940.00	1.28
1800.00	70.74 9.5	0.1	960.00	1.15
1850.00	68.64 9.1	0.1	1000.00	1.02
1950.00	68.21 7.1	0.1	1100.00	1.95
2000.00	65.82 4.6	0.1	1120.00	0.85



Mini-Circuits®

INTERNET <http://www.minicircuits.com>

P.O. Box 350166, Brooklyn, New York 11235-0003 (718) 934-4500 Fax (718) 332-4661
Distribution Centers NORTH AMERICA 800-654-7949 • 417-335-5935 • Fax 417-335-5945 • EUROPE 44-1252-832600 • Fax 44-1252-837010

Mini-Circuits ISO 9001 & ISO 14001 Certified

REV. A
M98898
SLP-600
060628