

Coaxial High Pass Filter

50Ω 600 to 1600 MHz

Maximum Ratings

Operating Temperature	-55°C to 100°C
Storage Temperature	-55°C to 100°C
RF Power Input	0.5W max.

Features

- rugged shielded case
- other standard and custom SHP models available with wide selection of fco

Applications

- lab use
- transmitters/receivers
- radio communications

SHP-600+
SHP-600



CASE STYLE: FF99

Connectors	Model	Price	Qty.
SMA	SHP-600(+)	\$38.95 ea.	(1-9)

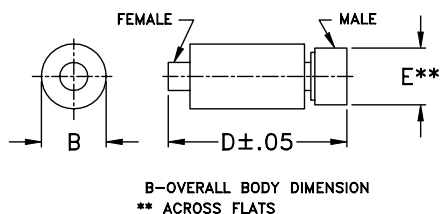
+ RoHS compliant in accordance with EU Directive (2002/95/EC)

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

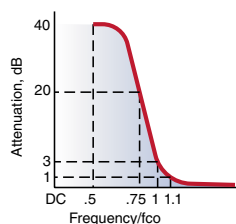
High Pass Filter Electrical Specifications

STOPBAND (MHz)	fco (MHz) Nom.	PASSBAND (MHz)	VSWR (:1)
(loss > 40 dB)	(loss 3 dB)	(loss < 1 dB)	Stopband Typ. Passband Typ.
DC-350	350-440	545	600-1600
			17 2.0

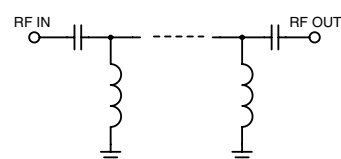
Outline Drawing



typical frequency response

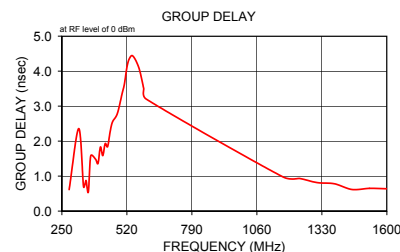
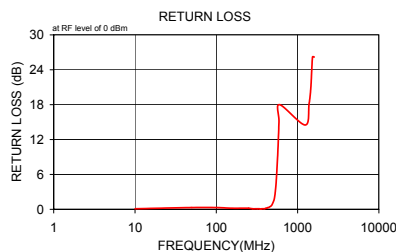
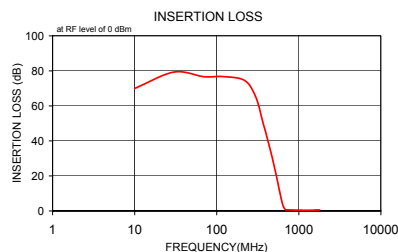


electrical schematic



Typical Performance Data

Frequency (MHz)	Insertion Loss (dB)	Return Loss (dB)	Frequency (MHz)	Group Delay (nsec)
$\bar{x}$	σ			
10.00	73.34	3.0	280.00	0.61
50.00	75.79	7.9	320.00	2.36
100.00	81.25	9.1	340.00	0.70
150.00	74.62	7.3	350.00	0.88
220.00	74.57	5.6	360.00	0.55
250.00	73.20	2.3	370.00	1.58
280.00	63.08	1.6	390.00	1.48
320.00	50.76	0.3	400.00	1.36
340.00	46.03	0.5	410.00	1.83
350.00	43.60	0.5	420.00	1.59
360.00	41.20	0.5	430.00	1.93
390.00	34.33	0.6	440.00	1.84
410.00	29.83	0.6	450.00	2.25
420.00	27.62	0.6	460.00	2.54
430.00	25.37	0.6	480.00	2.78
440.00	23.19	0.6	500.00	3.35
450.00	20.99	0.6	510.00	3.64
480.00	14.50	0.6	520.00	4.11
510.00	8.36	0.5	530.00	4.35
520.00	6.52	0.4	545.00	4.43
530.00	4.89	0.3	570.00	4.09
545.00	2.97	0.1	590.00	3.50
570.00	1.21	0.1	600.00	3.20
590.00	0.72	0.1	1167.50	0.98
600.00	0.61	0.1	1237.50	0.93
1237.50	0.47	0.1	1310.00	0.82
1382.50	0.40	0.1	1382.50	0.78
1455.00	0.38	0.1	1455.00	0.62
1527.50	0.37	0.1	1527.50	0.65
1600.00	0.36	0.1	1600.00	0.64



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