

Coaxial High Pass Filter

50Ω 27.5 to 800 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-25+
SHP-25**



CASE STYLE: FF99

Connectors	Model	Price	Qty.
SMA	SHP-25(+)	\$40.95 ea.	(1-9)

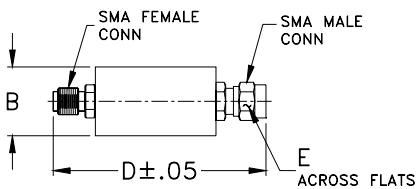
+ RoHS compliant in accordance with EU Directive (2002/95/EC)

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 > 20 dB)	(loss < 3 dB)	(loss < 1 dB)
DC-13	13-19	25	27.5-800
			Stopband Typ. Passband Typ.
			18 1.7

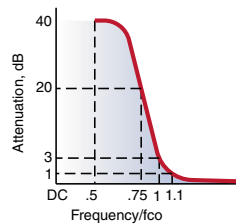
Outline Drawing



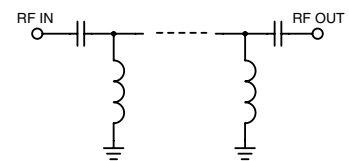
Outline Dimensions (inch/mm)

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

typical frequency response

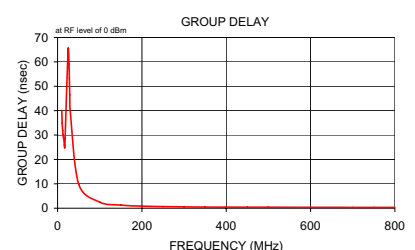
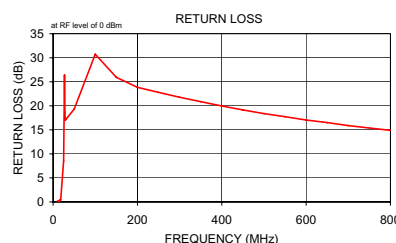
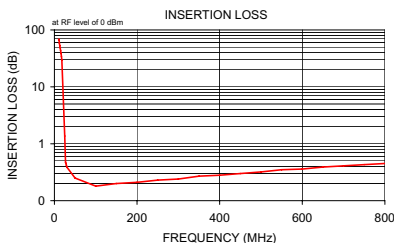


electrical schematic



Typical Performance Data

Frequency (MHz)	Insertion Loss (dB)	Return Loss (dB)	Frequency (MHz)	Group Delay (nsec)
$\bar{x}$	σ			
10.00	67.19	3.53	10.00	40.11
11.00	68.52	6.60	11.00	34.82
12.00	58.67	1.74	12.00	31.93
13.00	53.20	1.29	13.00	29.96
14.00	48.60	0.72	14.00	28.87
15.00	43.62	0.76	15.00	28.34
16.00	38.71	0.65	16.00	25.81
17.00	34.04	0.72	17.00	24.89
18.00	29.51	0.70	18.00	28.84
25.00	1.37	0.11	25.00	65.12
27.00	0.47	0.03	27.00	59.20
28.00	0.45	0.04	28.00	53.28
29.00	0.42	0.06	29.00	46.47
30.00	0.39	0.06	30.00	40.06
50.00	0.25	0.01	50.00	9.87
100.00	0.18	0.00	100.00	2.50
150.00	0.20	0.00	150.00	1.26
200.00	0.21	0.00	200.00	0.85
250.00	0.23	0.00	250.00	0.65
300.00	0.24	0.00	300.00	0.55
350.00	0.27	0.00	350.00	0.48
400.00	0.28	0.00	400.00	0.44
450.00	0.30	0.00	450.00	0.41
500.00	0.32	0.00	500.00	0.40
550.00	0.35	0.00	550.00	0.38
600.00	0.36	0.00	600.00	0.37
650.00	0.39	0.01	650.00	0.35
700.00	0.41	0.01	700.00	0.34
750.00	0.43	0.01	750.00	0.34
800.00	0.45	0.01	800.00	0.34



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