

Coaxial High Pass Filter

SHP-250

50Ω 225 to 1200 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

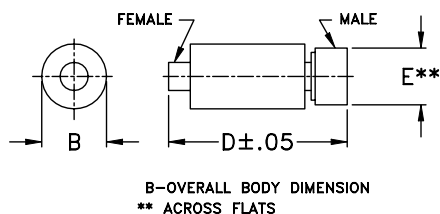
CASE STYLE: FF99

Connectors	Model	Price	Qty.
SMA	SHP-250	\$38.95 ea.	(1-9)

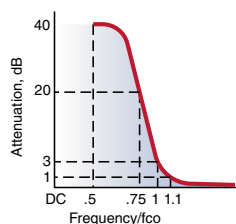
High Pass Filter Electrical Specifications

STOPBAND (MHz)	fco (MHz) Nom.	PASSBAND (MHz)	VSWR (:1)
(loss > 40 dB)	(loss 3 dB)	(loss < 1 dB)	Stopband Typ. Passband Typ.
DC-100	100-150	205	225-1200
			17 1.3

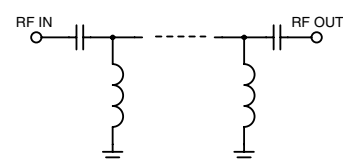
Outline Drawing



typical frequency response

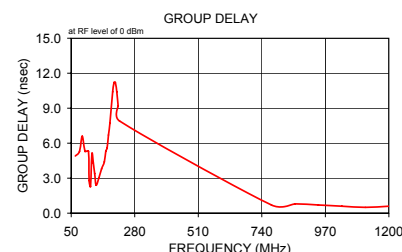
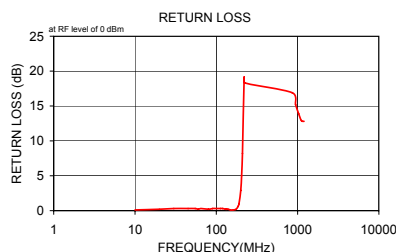


electrical schematic



Typical Performance Data

Frequency (MHz)	Insertion Loss (dB)	Return Loss (dB)	Frequency (MHz)	Group Delay (nsec)
$\bar{x}$	σ			
10.0	76.72	4.7	65.0	4.87
20.0	75.31	6.1	80.0	5.31
30.0	72.93	2.4	90.0	6.58
45.0	75.64	7.5	100.0	5.25
55.0	80.00	7.3	112.5	5.32
60.0	75.56	5.5	115.0	2.79
65.0	72.15	5.4	120.0	2.30
80.0	79.38	6.5	125.0	5.09
90.0	67.76	2.6	130.0	4.28
100.0	62.37	1.3	135.0	3.36
112.5	52.78	0.8	140.0	2.45
120.0	48.75	1.0	150.0	2.97
130.0	42.50	1.0	160.0	3.83
135.0	39.68	0.9	170.0	4.42
140.0	36.80	0.9	175.0	5.34
150.0	31.25	0.8	180.0	5.61
160.0	25.78	0.9	185.0	6.71
175.0	17.58	0.8	190.0	7.72
185.0	12.12	0.7	200.0	10.39
190.0	9.45	0.6	205.0	11.22
200.0	4.68	0.4	210.0	11.21
205.0	2.91	0.2	215.0	10.43
210.0	1.73	0.2	220.0	9.18
220.0	0.78	0.1	225.0	7.95
225.0	0.69	0.1	775.0	0.73
860.0	0.38	0.1	860.0	0.76
945.0	0.43	0.1	945.0	0.68
1030.0	0.48	0.1	1030.0	0.63
1115.0	0.52	0.1	1115.0	0.51
1200.0	0.56	0.1	1200.0	0.64



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