

Coaxial High Pass Filter

50Ω 185 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-200+
SHP-200



CASE STYLE: FF99

Connectors	Model	Price	Qty.
SMA	SHP-200	\$38.95 ea.	(1-9)

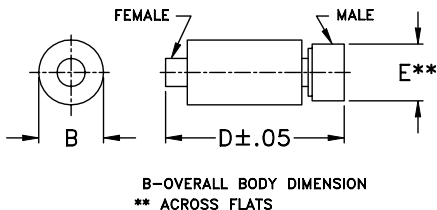
+ RoHS compliant in accordance with EU Directive (2002/95/EC)

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

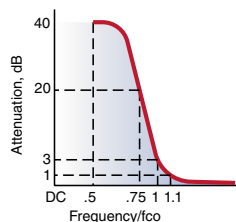
High Pass Filter Electrical Specifications

STOPBAND (MHz)	fco (MHz) Nom.	PASSBAND (MHz)	VSWR (:1)
(loss > 40 dB)	(loss > 20 dB)	(loss < 3 dB)	(loss < 1 dB)
DC-90	90-116	164	185-800
			Stopband Typ. Passband Typ.
			17 1.6

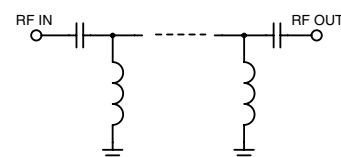
Outline Drawing



typical frequency response

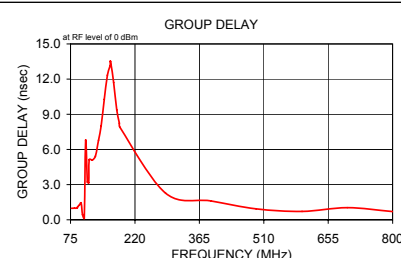
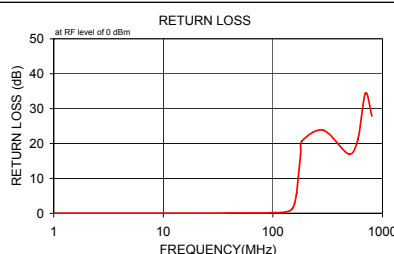


electrical schematic



Typical Performance Data

Frequency (MHz)	Insertion Loss (dB)	Return Loss (dB)	Frequency (MHz)	Group Delay (nsec)
\bar{x}	σ			
1.00	79.13	4.3	77.00	0.98
15.00	82.18	2.2	84.00	0.99
29.00	71.32	5.5	90.00	1.01
43.00	76.14	5.3	91.00	1.11
56.00	80.66	8.1	95.00	1.26
63.00	71.77	4.8	99.00	1.43
70.00	68.26	1.4	102.00	0.44
77.00	64.30	1.4	106.00	0.13
84.00	57.15	0.6	109.00	6.77
90.00	51.69	0.7	113.00	3.23
91.00	51.14	0.4	116.00	3.16
99.00	45.20	0.4	117.00	5.12
106.00	40.04	0.5	124.00	5.09
109.00	37.91	0.4	131.00	5.42
113.00	35.09	0.5	138.00	6.79
116.00	32.89	0.5	144.00	8.01
117.00	32.20	0.5	151.00	10.28
131.00	22.48	0.4	158.00	12.34
144.00	13.65	0.3	164.00	13.13
151.00	9.11	0.2	165.00	13.51
158.00	5.16	0.2	172.00	11.71
164.00	2.79	0.3	179.00	9.38
165.00	2.50	0.3	185.00	8.24
179.00	0.74	0.1	186.00	7.90
185.00	0.60	0.1	208.00	2.27
289.00	0.32	0.1	238.00	1.61
493.00	0.34	0.1	493.00	0.93
596.00	0.29	0.1	596.00	0.72
698.00	0.26	0.1	698.00	1.03
800.00	0.27	0.1	800.00	0.70



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