Coaxial

High Pass Filter

SHP-200+

50Ω 185 to 3000 MHz

Generic photo used for illustration purposes only

CASE STYLE: FF99

Connectors	Model
SMA	SHP-200+

+RoHS Compliant

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

Maximum Ratings

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

Permanent damage may occur if any of these limits are exceeded.

Features

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

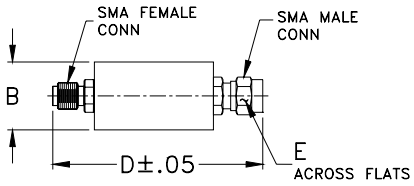
Applications

- lab use
- transmitters/receivers
- radio communications

High Pass Filter Electrical Specifications

STOPBAND (MHz) (loss > 40 dB)	STOPBAND (MHz) (loss > 20 dB)	fco (MHz) Nom. (loss 3 dB)	PASSBAND (MHz) (loss <1 dB)	VSWR (:1) Stopband Typ.	VSWR (:1) Passband Typ.
DC-90	90-116	164	185-3000	17	1.6

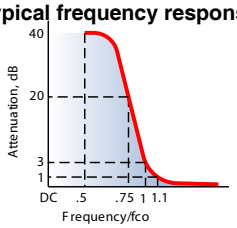
Outline Drawing



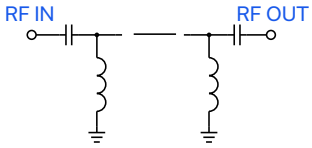
Outline Dimensions (inch / mm)

B	D	E	WT GRAMS
.70	1.98	.312	42.0
(17.78)	(50.29)	(7.92)	

typical frequency response



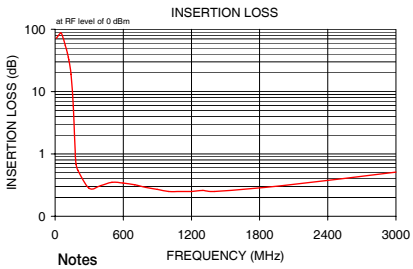
electrical schematic



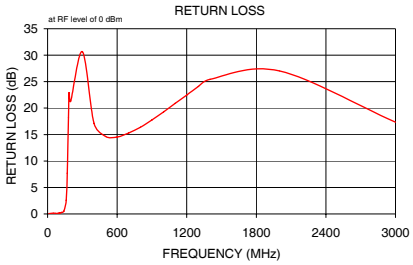
Typical Performance Data

Frequency (MHz)	Insertion Loss (dB)		Return Loss (dB)	Frequency (MHz)	Group Delay (nsec)
	x̄	σ			
10.00	71.62	2.72	0.06	75.00	2.93
50.00	87.09	4.73	0.13	90.00	2.71
70.00	73.00	0.87	0.10	95.00	2.71
75.00	68.35	1.20	0.09	100.00	3.03
90.00	55.00	0.48	0.11	104.00	3.20
95.00	50.91	0.53	0.13	108.00	3.21
100.00	47.05	0.54	0.14	112.00	3.36
108.00	41.12	0.52	0.19	116.00	3.60
116.00	35.41	0.54	0.25	120.00	3.87
120.00	32.62	0.56	0.28	140.00	6.03
140.00	18.90	0.65	0.52	150.00	8.41
160.00	5.88	0.58	2.57	160.00	11.87
170.00	1.99	0.26	7.68	170.00	12.82
180.00	0.82	0.06	18.19	180.00	10.02
185.00	0.68	0.03	22.90	185.00	8.64
200.00	0.55	0.03	21.35	200.00	6.12
300.00	0.28	0.02	30.67	300.00	2.20
400.00	0.31	0.01	17.13	400.00	1.28
500.00	0.35	0.01	14.65	500.00	0.90
600.00	0.34	0.01	14.54	600.00	0.70
700.00	0.32	0.01	15.30	700.00	0.59
800.00	0.29	0.01	16.38	800.00	0.52
900.00	0.27	0.01	17.76	900.00	0.47
1000.00	0.25	0.01	19.27	1000.00	0.44
1100.00	0.25	0.01	20.89	1100.00	0.41
1200.00	0.25	0.01	22.44	1200.00	0.39
1300.00	0.26	0.01	24.09	1300.00	0.38
1400.00	0.25	0.01	25.43	1400.00	0.36
2000.00	0.31	0.01	27.03	2000.00	0.33
3000.00	0.51	0.02	17.33	3000.00	0.32

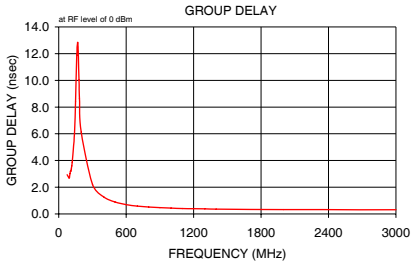
INSERTION LOSS



RETURN LOSS



GROUP DELAY



Notes

A. Performance and quality attributes and conditions not expressly stated in this specification document are intended to be excluded and do not form a part of this specification document.
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