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TECHNOLOGY GROUP

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Find the *Mini-Circuits SHP-200* at our website: ***Click HERE***

Coaxial

High Pass Filter

SHP-200+
SHP-200

50Ω 185 to 3000 MHz



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.

Maximum Ratings

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

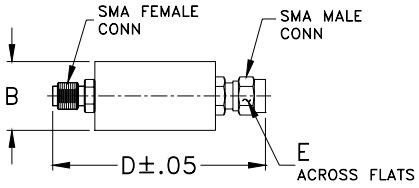
Features

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

Applications

- lab use
- transmitters/receivers
- radio communications

Outline Drawing



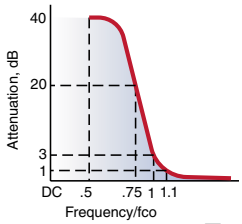
Outline Dimensions (inch / mm)

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

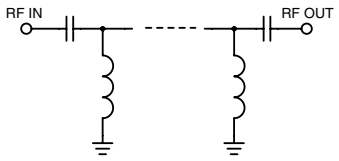
High Pass Filter Electrical Specifications

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

typical frequency response



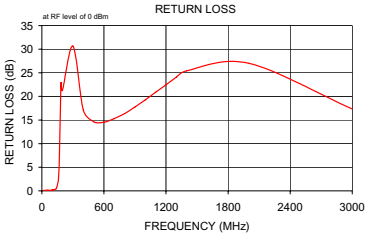
electrical schematic

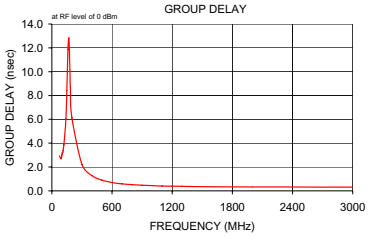


Typical Performance Data

Frequency (MHz)	Insertion Loss (dB) x̄	Insertion Loss (dB) σ	Return Loss (dB)	Frequency (MHz)	Group Delay (nsec)
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







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