

Coaxial High Pass Filter

50Ω 700 to 1800 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-700+
SHP-700



CASE STYLE: FF99

Connectors	Model	Price	Qty.
SMA	SHP-700(+)	\$38.95 ea.	(1-9)

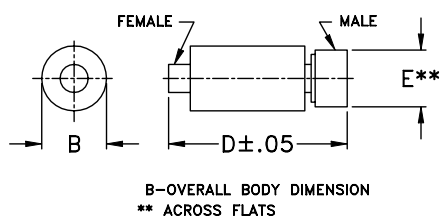
+ RoHS compliant in accordance with EU Directive (2002/95/EC)

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-400	400-520	640	700-1800
			Stopband Typ. Passband Typ.
			17 1.6

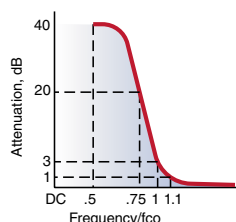
Outline Drawing



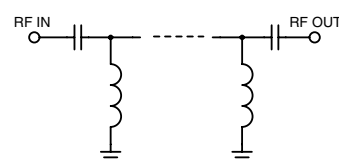
Outline Dimensions (inch/mm)

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

typical frequency response

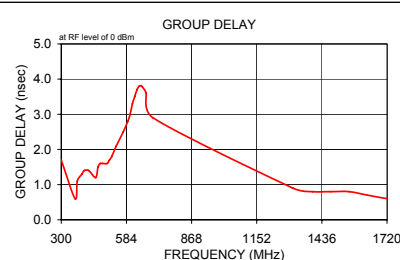
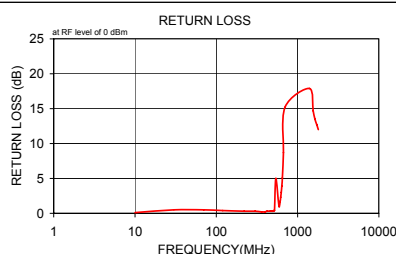


electrical schematic



Typical Performance Data

Frequency (MHz)	Insertion Loss (dB)	Return Loss (dB)	Frequency (MHz)	Group Delay (nsec)
$\bar{x}$	σ			
10.00	69.97	2.7	300.00	1.70
30.00	79.30	6.2	360.00	0.58
70.00	76.67	6.3	370.00	1.11
120.00	76.75	5.9	390.00	1.29
220.00	74.46	5.8	400.00	1.39
300.00	64.87	2.8	420.00	1.35
360.00	51.59	0.9	450.00	1.20
370.00	49.50	1.2	460.00	1.45
390.00	45.90	0.8	470.00	1.58
400.00	43.94	0.9	480.00	1.65
420.00	40.15	0.7	500.00	1.61
460.00	32.96	0.6	510.00	1.72
480.00	29.32	0.6	520.00	1.80
500.00	25.76	0.6	540.00	2.05
510.00	24.00	0.5	570.00	2.46
520.00	22.24	0.5	590.00	2.75
540.00	18.71	0.5	600.00	3.01
590.00	10.13	0.3	610.00	3.25
610.00	7.01	0.3	620.00	3.52
620.00	5.60	0.2	630.00	3.69
630.00	4.36	0.2	640.00	3.78
640.00	3.29	0.1	650.00	3.75
650.00	2.44	0.1	670.00	3.55
670.00	1.30	0.1	700.00	2.94
700.00	0.65	0.1	1310.00	0.89
1395.00	0.36	0.1	1395.00	0.85
1555.00	0.45	0.1	1475.00	0.76
1635.00	0.50	0.1	1555.00	0.78
1720.00	0.54	0.1	1635.00	0.75
1800.00	0.57	0.1	1720.00	0.65



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