

Coaxial High Pass Filter

50Ω 133 to 600 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 NHP models available with wide selection of fco

Applications

- lab use
- transmitters/receivers
- radio communications

NHP-150+
NHP-150



CASE STYLE: FF57

Connectors	Model	Price	Qty.
N-Type	NHP-150	\$39.95 ea.	(1-9)

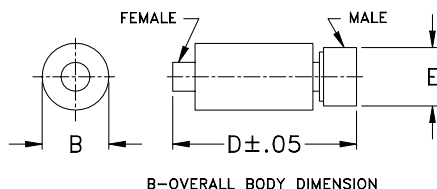
+ RoHS compliant in accordance with EU Directive (2002/95/EC)

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

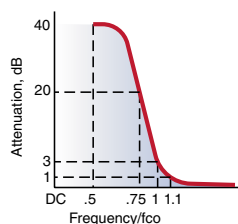
High Pass Filter Electrical Specifications

STOPBAND (MHz)	fco (MHz) Nom.	PASSBAND (MHz)	VSWR (:1)
(loss > 40 dB)	(loss 3 dB)	(loss < 1 dB)	Stopband Typ. Passband Typ.
DC-70	70-95	120	133-600
			17 1.8

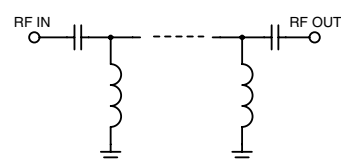
Outline Drawing



typical frequency response

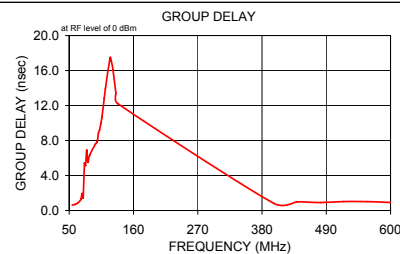
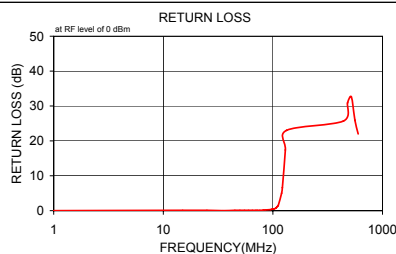


electrical schematic



Typical Performance Data

Frequency (MHz)	Insertion Loss (dB)	Return Loss (dB)	Frequency (MHz)	Group Delay (nsec)
\bar{x}	σ			
1.00	67.11	4.7	55.00	0.62
15.00	75.59	2.2	60.00	0.70
25.00	73.88	4.2	65.00	0.89
35.00	76.27	7.6	70.00	1.27
45.00	72.72	3.5	72.00	1.94
50.00	74.11	7.3	74.00	1.44
55.00	64.05	0.8	76.00	5.40
60.00	58.59	1.0	78.00	5.11
65.00	51.97	0.7	80.00	6.91
70.00	46.87	0.5	82.00	5.51
72.00	45.03	0.4	85.00	6.34
76.00	40.80	0.4	95.00	7.61
80.00	36.81	0.4	98.00	7.85
82.00	34.95	0.4	100.00	8.84
85.00	32.07	0.4	102.00	9.20
95.00	22.87	0.3	104.00	9.93
98.00	20.15	0.3	106.00	10.65
102.00	16.56	0.3	110.00	12.86
106.00	13.01	0.2	112.00	13.91
110.00	9.58	0.2	120.00	17.48
112.00	7.96	0.2	122.00	17.07
120.00	2.86	0.3	125.00	16.07
122.00	2.09	0.3	130.00	13.38
130.00	0.71	0.1	133.00	12.23
133.00	0.59	0.1	400.00	0.83
440.00	0.21	0.1	440.00	0.99
480.00	0.19	0.1	480.00	0.91
520.00	0.21	0.1	520.00	1.03
560.00	0.22	0.1	560.00	1.02
600.00	0.24	0.1	600.00	0.92



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