

Coaxial High Pass Filter

50Ω 160 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 NHP models available with wide selection of fco

Applications

- lab use
- transmitters/receivers
- radio communications

NHP-175+
NHP-175



CASE STYLE: FF57

Connectors	Model	Price	Qty.
N-Type	NHP-175	\$39.95 ea.	(1-9)

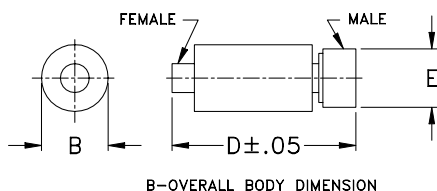
+ RoHS compliant in accordance with EU Directive (2002/95/EC)

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

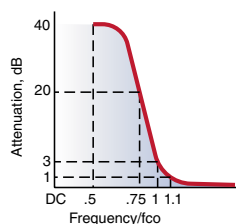
High Pass Filter Electrical Specifications

STOPBAND (MHz)	fco (MHz) Nom.	PASSBAND (MHz)	VSWR (:1)
(loss > 40 dB)	(loss 3 dB)	(loss < 1 dB)	Stopband Typ. Passband Typ.
DC-70	70-105	140	160-800
			17 1.5

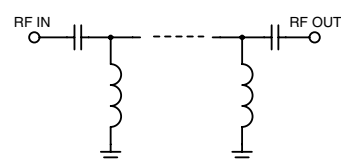
Outline Drawing



typical frequency response

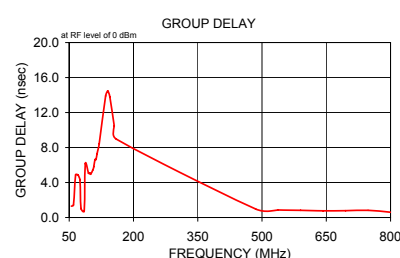
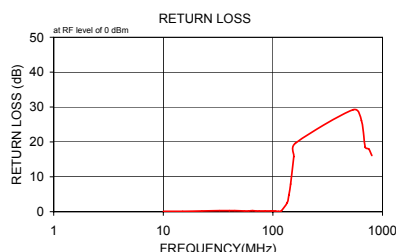


electrical schematic



Typical Performance Data

Frequency (MHz)	Insertion Loss (dB)	Return Loss (dB)	Frequency (MHz)	Group Delay (nsec)
\bar{x}	σ			
10.00	74.24	5.1	55.00	1.30
15.00	83.02	3.4	60.00	1.43
22.50	71.28	2.9	65.00	4.88
32.50	75.54	2.9	70.00	4.88
40.00	74.66	2.9	75.00	4.29
45.00	77.91	4.5	77.50	1.02
55.00	73.19	4.3	85.00	0.72
60.00	67.53	1.4	87.50	6.14
65.00	62.87	1.7	95.00	5.06
70.00	57.55	1.1	97.50	5.12
75.00	52.51	0.4	100.00	4.95
85.00	43.70	0.3	105.00	5.42
95.00	35.16	0.3	107.50	5.81
97.50	33.16	0.4	110.00	6.62
100.00	31.08	0.4	112.50	6.63
105.00	27.09	0.4	115.00	7.30
107.50	25.06	0.4	117.50	7.83
112.50	21.11	0.4	120.00	8.44
117.50	17.21	0.3	135.00	13.89
120.00	15.29	0.3	140.00	14.48
135.00	5.06	0.1	145.00	13.77
140.00	2.90	0.1	155.00	10.48
145.00	1.60	0.1	160.00	8.96
155.00	0.67	0.1	485.00	0.98
160.00	0.54	0.1	537.50	0.86
537.50	0.18	0.1	590.00	0.82
642.50	0.21	0.1	642.50	0.77
695.00	0.26	0.1	695.00	0.78
747.50	0.27	0.1	747.50	0.82
800.00	0.31	0.1	800.00	0.60



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