

Coaxial High Pass Filter

NHP-50+

50Ω 41 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



CASE STYLE: FF57

Connectors	Model	Price	Qty.
N-Type	NHP-50+	\$39.95 ea.	(1-9)

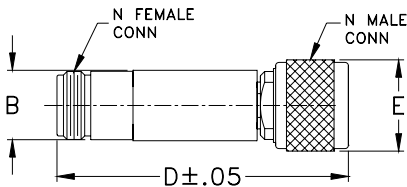
+ RoHS compliant in accordance with EU Directive (2002/95/EC)

The +Suffix has been added in order to identify 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)	Stopband Typ.	Passband Typ.
DC-20	20-26	37	41-800	17	1.5

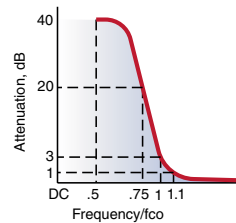
Outline Drawing



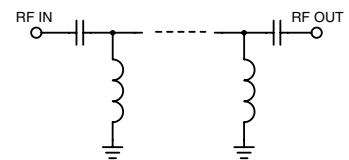
Outline Dimensions (inch/mm)

B	D	E	wt
.67	2.90	.82	grams
17.02	73.66	20.83	90.0

typical frequency response

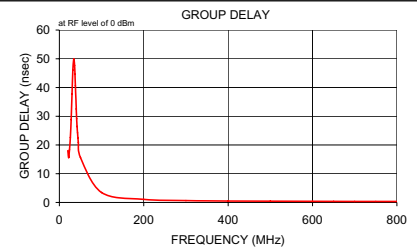
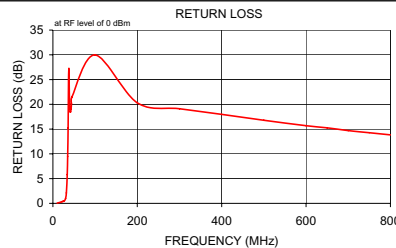


electrical schematic



Typical Performance Data

Frequency (MHz)	Insertion Loss (dB)	Return Loss (dB)	Frequency (MHz)	Group Delay (nsec)
	\bar{x}	σ		
10.00	69.20	3.81	20.00	18.03
20.00	45.38	0.93	22.00	15.59
22.00	38.53	1.25	24.00	18.34
24.00	31.83	1.18	26.00	22.61
26.00	25.35	1.28	28.00	28.85
28.00	18.94	1.39	30.00	37.79
30.00	12.65	1.53	32.00	46.09
32.00	6.90	1.45	34.00	49.90
34.00	2.95	0.88	35.00	49.53
35.00	1.94	0.57	36.00	47.70
36.00	1.35	0.34	37.00	44.59
37.00	1.09	0.20	38.00	40.68
38.00	0.94	0.11	39.00	36.49
39.00	0.89	0.08	40.00	32.54
40.00	0.82	0.05	41.00	29.16
41.00	0.77	0.04	42.00	26.41
42.00	0.72	0.03	43.00	24.22
43.00	0.69	0.02	44.00	22.42
44.00	0.65	0.03	45.00	20.92
45.00	0.61	0.02	50.00	15.63
100.00	0.26	0.01	100.00	3.44
200.00	0.24	0.01	200.00	1.07
300.00	0.26	0.01	300.00	0.65
400.00	0.29	0.01	400.00	0.50
500.00	0.32	0.01	500.00	0.44
600.00	0.37	0.01	600.00	0.40
650.00	0.40	0.01	650.00	0.38
700.00	0.41	0.02	700.00	0.36
750.00	0.44	0.02	750.00	0.36
800.00	0.46	0.02	800.00	0.36



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RF/IF MICROWAVE COMPONENTS

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