

Coaxial High Pass Filter

50Ω 395 to 3200 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-400+
NHP-400



CASE STYLE: FF57

Connectors	Model	Price	Qty.
N-Type	NHP-400(+)	\$39.95 ea.	(1-9)

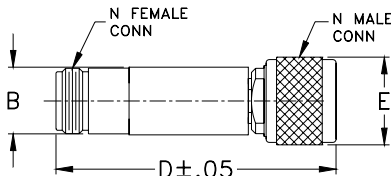
+ RoHS compliant in accordance with EU Directive (2002/95/EC)

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-210	210-290	360	17 1.7

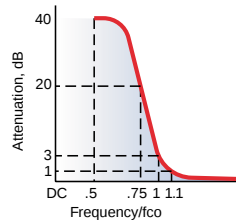
Outline Drawing



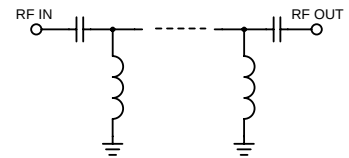
Outline Dimensions (inch/mm)

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

typical frequency response

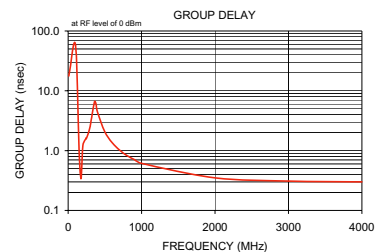
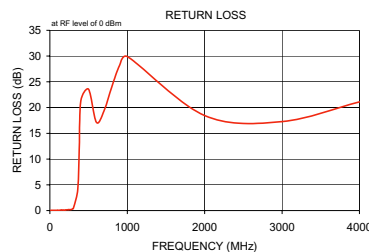
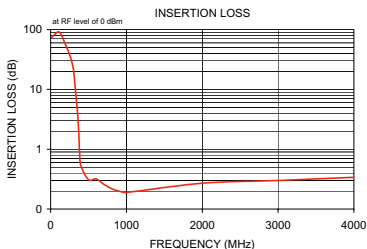


electrical schematic



Typical Performance Data

Frequency (MHz)	Insertion Loss (dB) $\bar{x}$	Insertion Loss (dB) σ	Return Loss (dB)	Frequency (MHz)	Group Delay (nsec)
10.00	73.49	3.76	0.05	10.00	17.71
100.00	92.04	7.79	0.05	100.00	57.88
150.00	76.80	1.38	0.11	150.00	0.94
175.00	64.86	0.57	0.09	175.00	0.34
200.00	55.25	0.43	0.10	200.00	1.22
240.00	41.38	0.57	0.17	240.00	1.56
241.00	41.06	0.57	0.17	241.00	1.56
242.00	40.72	0.57	0.18	242.00	1.57
243.00	40.39	0.58	0.17	243.00	1.57
244.00	40.06	0.58	0.18	244.00	1.58
245.00	39.73	0.58	0.18	245.00	1.61
246.00	39.40	0.57	0.18	246.00	1.60
247.00	39.07	0.59	0.18	247.00	1.60
250.00	38.09	0.59	0.18	250.00	1.61
275.00	29.94	0.66	0.22	275.00	1.96
300.00	21.83	0.75	0.33	300.00	2.53
301.00	21.50	0.75	0.33	301.00	2.56
302.00	21.18	0.76	0.34	302.00	2.59
360.00	3.31	0.67	4.07	360.00	6.64
380.00	0.95	0.19	11.83	380.00	6.00
400.00	0.53	0.01	21.31	400.00	4.41
500.00	0.31	0.02	23.56	500.00	2.06
600.00	0.32	0.03	17.14	600.00	1.35
700.00	0.26	0.02	19.37	700.00	1.02
800.00	0.22	0.01	24.00	800.00	0.83
900.00	0.20	0.01	28.18	900.00	0.71
1000.00	0.19	0.01	29.90	1000.00	0.61
2000.00	0.27	0.02	18.44	2000.00	0.35
3000.00	0.30	0.03	17.29	3000.00	0.31
4000.00	0.34	0.01	21.10	4000.00	0.30



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