

# Coaxial High Pass Filter

## NHP-300+ NHP-300

50Ω 290 to 3000 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-300(+)	\$39.95 ea.	(1-9)

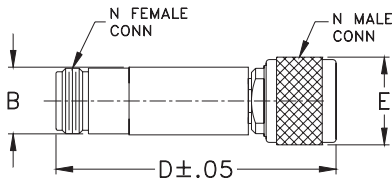
**+ RoHS compliant in accordance with EU Directive (2002/95/EC)**

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 < 1.5 dB)	Stopband Typ. Passband Typ.
DC-145	145-190	245	17 1.7

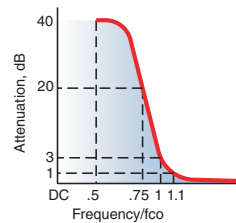
### Outline Drawing



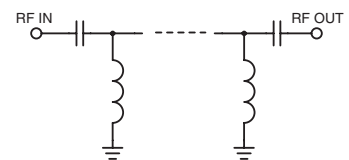
### Outline Dimensions (inch/mm)

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

### typical frequency response

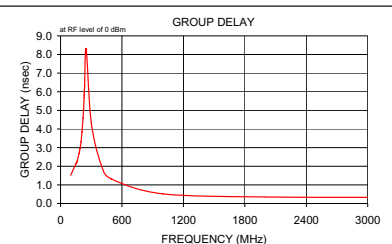
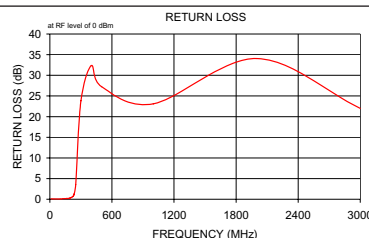
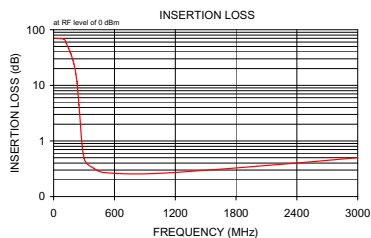


### electrical schematic



### Typical Performance Data

Frequency (MHz)	Insertion Loss (dB) $\bar{x}$ $\sigma$	Return Loss (dB)	Frequency (MHz)	Group Delay (nsec)
10.00	70.05 4.53	0.11	100.00	1.52
100.00	67.77 0.48	0.08	125.00	1.84
125.00	56.38 0.52	0.14	150.00	2.14
150.00	45.47 0.61	0.17	159.00	2.24
159.00	41.59 0.66	0.17	160.00	2.25
160.00	41.15 0.66	0.18	161.00	2.24
162.00	40.29 0.67	0.18	162.00	2.25
163.00	39.86 0.67	0.18	163.00	2.28
164.00	39.43 0.67	0.18	164.00	2.29
170.00	36.88 0.71	0.19	170.00	2.45
180.00	32.65 0.77	0.21	180.00	2.69
190.00	28.46 0.84	0.26	190.00	2.94
200.00	24.28 0.90	0.33	200.00	3.32
210.00	20.10 0.98	0.44	210.00	3.84
220.00	15.91 1.05	0.61	220.00	4.59
225.00	13.82 1.08	0.75	225.00	5.09
230.00	11.75 1.10	0.96	230.00	5.69
231.00	11.35 1.11	1.01	231.00	5.81
232.00	10.94 1.11	1.07	232.00	5.94
233.00	10.53 1.11	1.13	233.00	6.08
234.00	10.13 1.10	1.20	234.00	6.22
235.00	9.74 1.10	1.27	235.00	6.36
236.00	9.34 1.10	1.35	236.00	6.50
250.00	4.46 0.85	3.58	250.00	8.29
300.00	0.49 0.02	23.84	300.00	4.35
400.00	0.32 0.03	32.34	400.00	2.02
500.00	0.27 0.03	27.26	500.00	1.31
1000.00	0.26 0.01	23.11	1000.00	0.52
2000.00	0.35 0.01	34.07	2000.00	0.35
3000.00	0.50 0.01	22.01	3000.00	0.33



P.O. Box 350166, Brooklyn, New York 11235-0003 (718) 934-4500 Fax (718) 332-4661 For detailed performance specs & shopping online see Mini-Circuits web site



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IF/RF MICROWAVE COMPONENTS

REV. B  
M108326  
NHP-300  
081209