

Coaxial High Pass Filter

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.

Permanent damage may occur if any of these limits are exceeded.

Features

- rugged shielded case
- other standard and custom NHP models available with wide selection of fco

Applications

- lab use
- transmitters/receivers
- radio communications



Connectors	Model	Price	Qty.
N-Type	NHP-300+	\$39.95 ea.	(1-9)

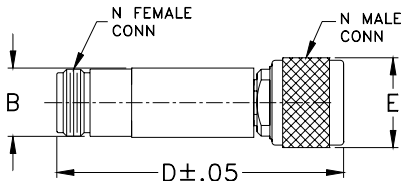
+ RoHS compliant in accordance with EU Directive (2002/95/EC)

The +Suffix 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 3 dB)	(loss < 1.5 dB)	Stopband Typ. Passband Typ.
DC-145	145-190	290-3000	17 1.7

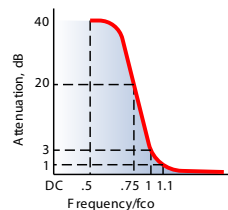
Outline Drawing



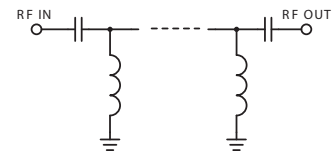
Outline Dimensions (inch/mm)

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

typical frequency response

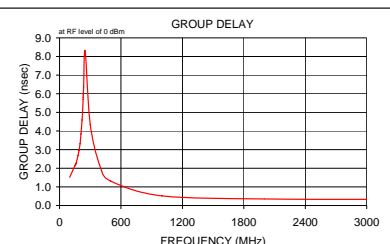
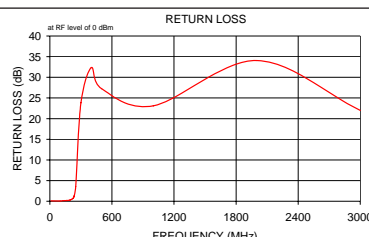
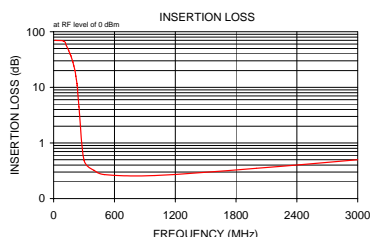


electrical schematic



Typical Performance Data

Frequency (MHz)	Insertion Loss (dB) \bar{x}	σ	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



Mini-Circuits
ISO 9001 ISO 14001 AS 9100 CERTIFIED

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IF/RF MICROWAVE COMPONENTS

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