

Coaxial High Pass Filter

50Ω 1000 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

NHP-1000+



CASE STYLE: FF57

Connectors	Model	Price	Qty.
N-Type	NHP-1000+	\$39.95 ea.	(1-9)

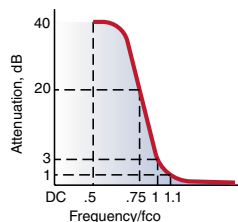
+ RoHS compliant in accordance with EU Directive (2002/95/EC)

The +Suffix has been added in order to identify RoHS Compliance. See our web site for RoHS Compliance methodologies and qualifications.

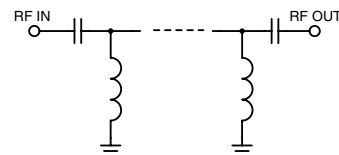
High Pass Filter Electrical Specifications

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-550	550-720	900	1000-3000	17	1.9

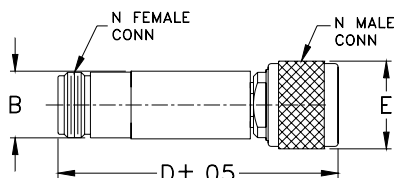
typical frequency response



electrical schematic



Outline Drawing

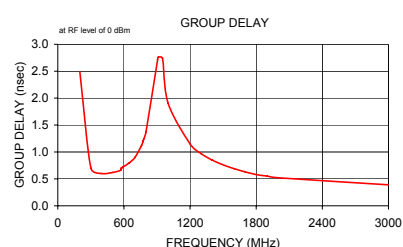
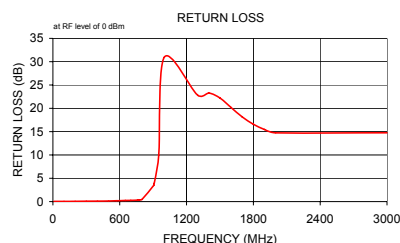
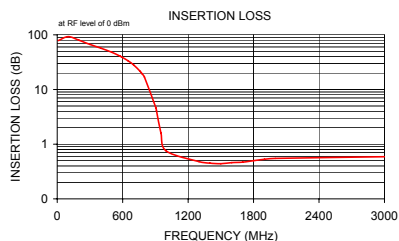


Outline Dimensions (inch)

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

Typical Performance Data

Frequency (MHz)	Insertion Loss (dB)	Return Loss (dB)	Frequency (MHz)	Group Delay (nsec)
$\bar{x}$	σ			
10.00	78.36	9.58	200.00	2.49
100.00	92.78	5.61	300.00	0.70
200.00	79.46	0.24	400.00	0.60
300.00	66.75	0.59	500.00	0.62
400.00	57.09	0.36	570.00	0.66
500.00	47.95	0.34	575.00	0.70
570.00	41.39	0.36	580.00	0.71
575.00	40.90	0.36	585.00	0.71
580.00	40.42	0.36	590.00	0.72
590.00	39.42	0.35	650.00	0.80
650.00	33.45	0.38	700.00	0.90
700.00	28.16	0.40	760.00	1.12
760.00	21.52	0.44	770.00	1.18
770.00	20.37	0.44	775.00	1.21
775.00	19.78	0.45	780.00	1.24
780.00	19.20	0.45	800.00	1.37
800.00	16.84	0.47	905.00	2.71
905.00	4.61	0.38	910.00	2.76
910.00	4.15	0.35	950.00	2.74
950.00	1.62	0.14	1000.00	1.91
1000.00	0.75	0.01	1200.00	1.15
1300.00	0.48	0.01	1300.00	0.97
1400.00	0.45	0.01	1400.00	0.85
1500.00	0.44	0.01	1500.00	0.76
1600.00	0.46	0.02	1600.00	0.69
1700.00	0.47	0.02	1700.00	0.63
1800.00	0.50	0.02	1800.00	0.58
1900.00	0.53	0.02	1900.00	0.55
2000.00	0.55	0.03	2000.00	0.52
3000.00	0.59	0.03	3000.00	0.39



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