

Coaxial High Pass Filter

BHP-100+

50Ω 90 to 2000 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 BHP models available with wide selection of fco

Applications

- lab use
- transmitters/receivers
- radio communications



CASE STYLE: FF55

Connectors	Model
BNC	BHP-100+

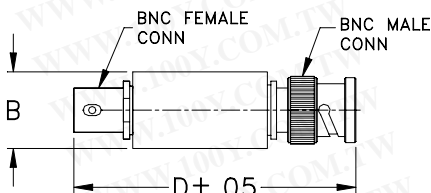
+ RoHS compliant in accordance with EU Directive (2002/95/EC)

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-40	40-55	82	90-2000	17	1.5

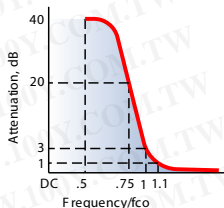
Outline Drawing



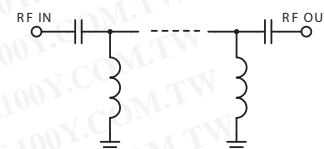
Outline Dimensions (inch/mm)

B	D	wt
.54	2.59	grams
13.72	65.79	40.0

typical frequency response



electrical schematic



Typical Performance Data

Frequency (MHz)	Insertion Loss (dB)		Return Loss (dB)	Frequency (MHz)	Group Delay (nsec)
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0.30	89.11	2.62	0.00	31.00	8.89
8.00	99.03	2.59	0.00	39.00	6.70
15.00	99.15	9.35	0.00	46.00	3.14
23.00	85.95	3.83	0.01	54.00	7.36
31.00	70.59	1.33	0.02	62.00	10.03
39.00	57.79	1.32	0.04	70.00	15.90
46.00	47.39	1.59	0.07	71.00	17.05
54.00	35.98	1.77	0.14	72.00	18.27
62.00	25.00	2.07	0.29	73.00	19.57
70.00	14.11	2.38	0.78	74.00	20.91
74.00	8.90	2.38	1.65	78.00	25.23
78.00	4.58	1.93	3.80	82.00	24.35
80.00	3.05	1.49	5.61	84.00	22.20
82.00	1.97	1.01	7.85	90.00	15.92
83.00	1.59	0.78	9.08	195.00	2.32
85.00	1.07	0.43	11.60	415.00	0.70
90.00	0.60	0.07	17.02	525.00	0.55
195.00	0.20	0.02	20.29	635.00	0.47
305.00	0.26	0.03	16.03	745.00	0.44
635.00	0.23	0.02	20.93	1075.00	0.38
745.00	0.22	0.01	23.04	1180.00	0.42
855.00	0.24	0.01	25.13	1290.00	0.37
1075.00	0.21	0.01	28.66	1510.00	0.34
1180.00	0.19	0.01	29.41	1620.00	0.33
1290.00	0.23	0.01	29.30	1730.00	0.31
1400.00	0.24	0.02	28.38	1840.00	0.31
1510.00	0.24	0.02	27.07	1950.00	0.29
1730.00	0.28	0.03	23.89	2165.00	0.36
1840.00	0.27	0.03	22.20	2275.00	0.34
2060.00	0.21	0.02	18.99	2495.00	0.33

勝特力材料 886-3-5753170
 勝特力电子(上海) 86-21-34970699
 勝特力电子(深圳) 86-755-83298787
[Http://www.100y.com.tw](http://www.100y.com.tw)

