

Coaxial High Pass Filter

50Ω 910 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 BHP models available with wide selection of fco

Applications

- lab use
- transmitters/receivers
- radio communications

BHP-900+ BHP-900



CASE STYLE: FF55

| Connectors | Model | Price | Qty. |
|------------|------------|-------------|-------|
| BNC | BHP-900(+) | \$36.95 ea. | (1-9) |

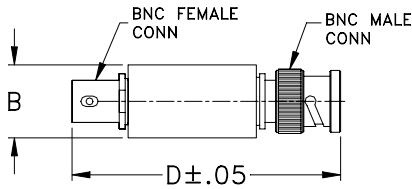
+ RoHS compliant in accordance with EU Directive (2002/95/EC)

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 > 20 dB) | (loss < 3 dB) | Stopband Typ. Passband Typ. | |
| DC-520 | 520-660 | 820 | 17 | 1.8 |

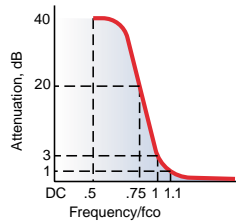
Outline Drawing



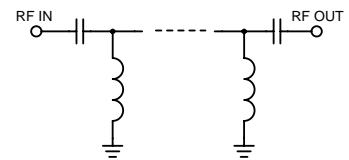
Outline Dimensions (inch/mm)

| B | D | wt |
|-------|-------|-------|
| .54 | 2.59 | grams |
| 13.72 | 65.79 | 40.0 |

typical frequency response

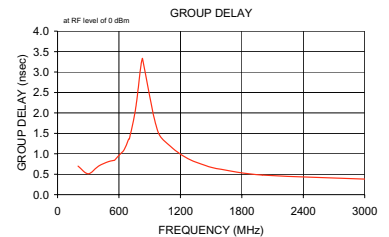
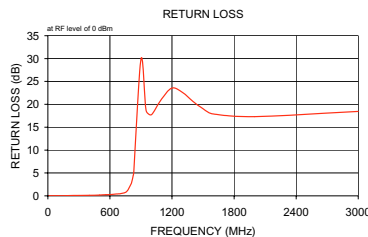
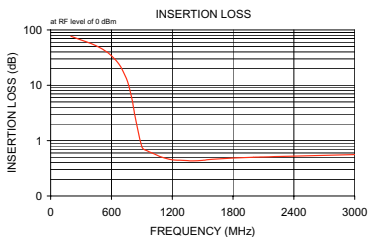


electrical schematic



Typical Performance Data

| Frequency (MHz) | Insertion Loss (dB) \bar{x} σ | Return Loss (dB) | Frequency (MHz) | Group Delay (nsec) |
|-----------------|--|------------------|-----------------|--------------------|
| 10.00 | 72.21 5.66 | 0.04 | 200.00 | 0.70 |
| 100.00 | 89.68 6.07 | 0.04 | 300.00 | 0.51 |
| 200.00 | 76.93 0.41 | 0.06 | 400.00 | 0.70 |
| 300.00 | 65.78 0.70 | 0.08 | 500.00 | 0.81 |
| 400.00 | 56.60 0.75 | 0.12 | 555.00 | 0.84 |
| 500.00 | 46.37 0.63 | 0.18 | 560.00 | 0.85 |
| 555.00 | 39.93 0.58 | 0.25 | 600.00 | 0.96 |
| 560.00 | 39.31 0.58 | 0.25 | 650.00 | 1.10 |
| 600.00 | 34.17 0.57 | 0.27 | 690.00 | 1.33 |
| 650.00 | 27.47 0.60 | 0.37 | 695.00 | 1.36 |
| 690.00 | 21.80 0.63 | 0.44 | 700.00 | 1.36 |
| 700.00 | 20.35 0.64 | 0.48 | 705.00 | 1.41 |
| 760.00 | 11.49 0.69 | 0.92 | 760.00 | 2.07 |
| 805.00 | 5.35 0.58 | 2.60 | 805.00 | 2.98 |
| 810.00 | 4.78 0.55 | 2.97 | 810.00 | 3.08 |
| 815.00 | 4.25 0.52 | 3.41 | 815.00 | 3.17 |
| 820.00 | 3.76 0.49 | 3.91 | 820.00 | 3.24 |
| 825.00 | 3.31 0.45 | 4.49 | 825.00 | 3.30 |
| 830.00 | 2.90 0.41 | 5.14 | 830.00 | 3.33 |
| 900.00 | 0.77 0.03 | 29.93 | 900.00 | 2.40 |
| 950.00 | 0.66 0.04 | 18.67 | 950.00 | 1.81 |
| 1000.00 | 0.60 0.04 | 17.72 | 1000.00 | 1.44 |
| 1100.00 | 0.50 0.02 | 21.19 | 1100.00 | 1.19 |
| 1200.00 | 0.45 0.01 | 23.54 | 1200.00 | 0.99 |
| 1300.00 | 0.44 0.01 | 22.60 | 1300.00 | 0.85 |
| 1400.00 | 0.43 0.02 | 20.69 | 1400.00 | 0.75 |
| 1500.00 | 0.44 0.02 | 19.04 | 1500.00 | 0.67 |
| 1600.00 | 0.46 0.02 | 17.89 | 1600.00 | 0.62 |
| 2000.00 | 0.50 0.02 | 17.31 | 2000.00 | 0.48 |
| 3000.00 | 0.56 0.01 | 18.45 | 3000.00 | 0.38 |



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