

Coaxial Low Pass Filter

BLP-7-75+

75Ω DC to 11 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 BLP models available with wide selection of fco

Applications

- test equipment
- lab use
- video equipment



CASE STYLE: FF55

| Connectors | Model | Price | Qty. |
|------------|-----------|-------------|-------|
| BNC | BLP-7-75+ | \$33.95 ea. | (1-9) |

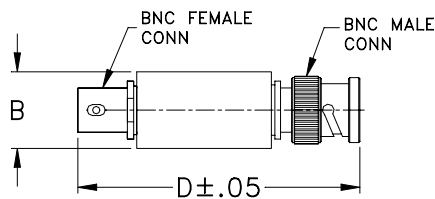
+ RoHS compliant in accordance with EU Directive (2002/95/EC)

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

Low Pass Filter Electrical Specifications

| PASSBAND (MHz) | fco (MHz) Nom. | STOPBAND (MHz) | | VSWR (:1) | |
|----------------|----------------|----------------|----------------|---------------|---------------|
| | | (loss > 20 dB) | (loss > 40 dB) | Passband Typ. | Stopband Typ. |
| DC-7 | 8 | 11-15 | 15-200 | 1.7 | 18 |

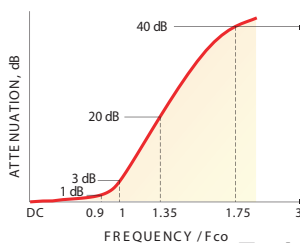
Outline Drawing



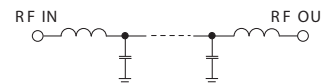
Outline Dimensions (inch/mm)

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

typical frequency response

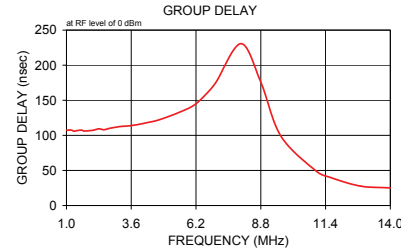


electrical schematic



Typical Performance Data

| Frequency (MHz) | Insertion Loss (dB) | | Return Loss (dB) | Frequency (MHz) | Group Delay (nsec) |
|-----------------|---------------------|----------|------------------|-----------------|--------------------|
| | \bar{x} | σ | | | |
| 1.00 | 0.06 | 0.01 | 27.26 | 1.00 | 107.24 |
| 1.90 | 0.09 | 0.02 | 26.75 | 1.10 | 107.38 |
| 2.80 | 0.11 | 0.01 | 32.01 | 1.20 | 107.50 |
| 3.60 | 0.16 | 0.03 | 30.71 | 1.30 | 105.85 |
| 4.50 | 0.22 | 0.05 | 24.86 | 1.40 | 106.62 |
| 5.40 | 0.26 | 0.04 | 25.76 | 1.60 | 107.46 |
| 6.30 | 0.32 | 0.04 | 25.44 | 1.70 | 106.19 |
| 7.00 | 0.46 | 0.07 | 22.50 | 1.90 | 106.59 |
| 8.00 | 2.33 | 0.89 | 8.77 | 2.10 | 107.52 |
| 9.00 | 10.19 | 1.45 | 1.18 | 2.30 | 109.35 |
| 9.40 | 14.08 | 1.33 | 0.63 | 2.50 | 108.05 |
| 9.80 | 17.83 | 1.18 | 0.40 | 2.70 | 109.75 |
| 10.20 | 21.33 | 1.06 | 0.30 | 2.90 | 111.16 |
| 10.60 | 24.60 | 0.97 | 0.24 | 3.20 | 112.80 |
| 11.00 | 27.65 | 0.91 | 0.21 | 3.50 | 113.53 |
| 12.00 | 34.53 | 0.87 | 0.17 | 3.90 | 115.60 |
| 12.60 | 38.24 | 0.89 | 0.15 | 4.20 | 117.83 |
| 13.20 | 41.68 | 0.91 | 0.14 | 4.60 | 120.94 |
| 13.80 | 44.93 | 0.87 | 0.13 | 5.00 | 125.58 |
| 14.40 | 48.03 | 0.85 | 0.12 | 5.50 | 132.47 |
| 15.00 | 51.02 | 0.86 | 0.11 | 6.10 | 142.49 |
| 16.00 | 55.73 | 1.23 | 0.11 | 6.60 | 158.58 |
| 39.00 | 74.24 | 0.82 | 0.18 | 7.00 | 175.53 |
| 62.00 | 74.55 | 1.78 | 0.32 | 8.00 | 230.76 |
| 85.00 | 74.27 | 1.16 | 0.46 | 8.80 | 175.89 |
| 108.00 | 73.91 | 0.74 | 0.51 | 9.60 | 99.26 |
| 131.00 | 74.48 | 0.58 | 0.51 | 11.00 | 49.80 |
| 154.00 | 74.76 | 2.43 | 0.51 | 11.60 | 39.93 |
| 177.00 | 72.74 | 1.60 | 0.50 | 12.80 | 27.72 |
| 200.00 | 73.75 | 2.71 | 0.51 | 14.00 | 25.14 |



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ISO 9001 ISO 14001 AS 9100 CERTIFIED

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