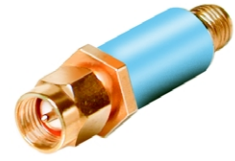


Coaxial

# Low Pass Filter

DC to 320 MHz

**NEW!**  
**VLF-320**


CASE STYLE: FF704  
 PRICE: \$19.95 ea. QTY (10-24)

## Maximum Ratings

Operating Temperature -55°C to 100°C

Storage Temperature -55°C to 100°C

RF Power Input 8.5W max. at 25°C

DC Current Input to Output 0.5A max. at 25°C

\*Passband rating, derate linearly to 3.5W at 100°C ambient.

## Features

- low cost
- small size
- 7 sections
- temperature stable
- patent pending

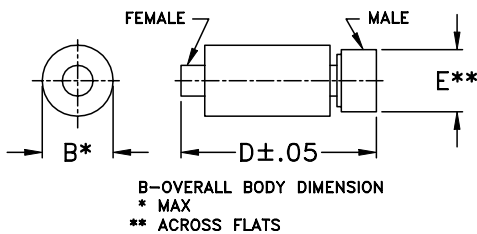
## Applications

- harmonic rejection
- transmitters/receivers
- lab use

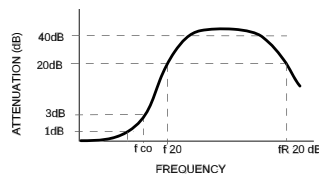
## Low Pass Filter Electrical Specifications (T<sub>AMB</sub>=25°C)

| MODEL NO. | PASSBAND (MHz)<br>(loss < 1 dB)<br>Max. | fco, MHz<br>Nom.<br>(loss 3 dB)<br>Typ. | STOP BAND (MHz)<br>(loss, dB) |            |               | VSWR (:1)        |                  | NO. OF SECTIONS |
|-----------|-----------------------------------------|-----------------------------------------|-------------------------------|------------|---------------|------------------|------------------|-----------------|
|           |                                         |                                         | f 20<br>Min.                  | 40<br>Typ. | fr 20<br>Typ. | Stopband<br>Typ. | Passband<br>Typ. |                 |
| VLF-320   | DC-320                                  | 460                                     | 560                           | 640-2500   | 5300          | 20               | 1.2              | 7               |

## Outline Drawing



## typical frequency response



## schematic

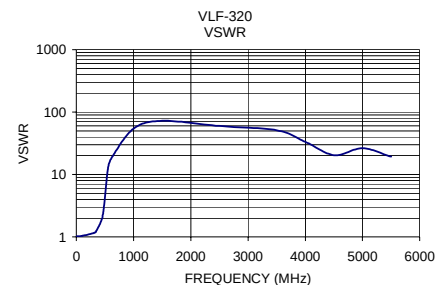
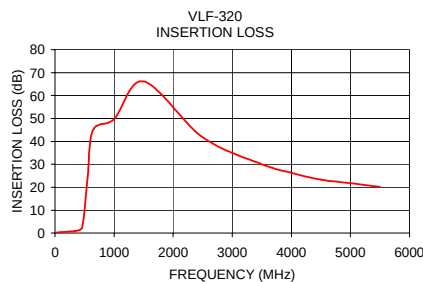


## Typical Performance Data at 25°C

| Frequency (MHz) | Insertion Loss (dB) | VSWR (:1) |
|-----------------|---------------------|-----------|
| 1.00            | 0.09                | 1.02      |
| 100.00          | 0.36                | 1.04      |
| 320.00          | 0.79                | 1.17      |
| 350.00          | .94                 | 1.27      |
| 460.00          | 2.72                | 2.20      |
| 550.00          | 24.34               | 12.26     |
| 640.00          | 44.80               | 19.98     |
| 1000.00         | 49.75               | 54.29     |
| 1500.00         | 66.15               | 72.39     |
| 2500.00         | 41.71               | 59.91     |
| 3500.00         | 30.04               | 51.10     |
| 4000.00         | 26.30               | 33.42     |
| 4500.00         | 23.26               | 20.45     |
| 5000.00         | 21.80               | 26.33     |
| 5500.00         | 20.10               | 19.32     |

## Outline Dimensions (inch/mm)

| B     | D     | E    | wt.   |
|-------|-------|------|-------|
| .410  | 1.43  | .312 | grams |
| 10.41 | 36.32 | 7.92 | 10.0  |



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