

Coaxial Low Pass Filter

NEW!
VLF-320

DC to 320 MHz

Maximum Ratings

| | |
|----------------------------|--------------------|
| Operating Temperature | -55°C to 100°C |
| Storage Temperature | -55°C to 100°C |
| RF Power Input | 8.5*W max. at 25°C |
| DC Current Input to Output | 0.5A max. at 25°C |

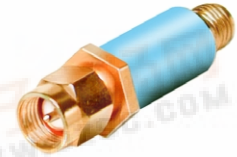
*Passband rating, derate linearly to 3.5W at 100°C ambient.

Features

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

Applications

- harmonic rejection
- transmitters/receivers
- lab use

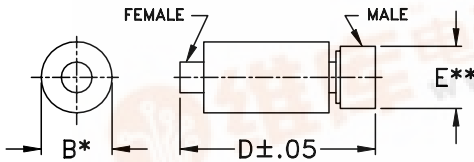


CASE STYLE: FF704
PRICE: \$19.95 ea. QTY (10-24)

Low Pass Filter Electrical Specifications (T_{AMB}=25°C)

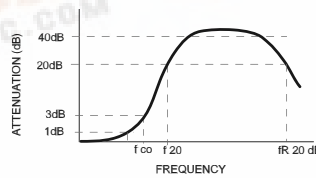
| MODEL NO. | PASSBAND (MHz) (loss < 1 dB) Max. | f _{co} , MHz Nom. (loss 3 dB) Typ. | STOP BAND (MHz) (loss, dB) | | VSWR (:1) | | NO. OF SECTIONS | |
|-----------|---|--|-------------------------------|------------|---------------|------------------|-----------------|------------------|
| | | | f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

Outline Drawing

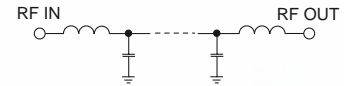


B—OVERALL BODY DIMENSION
* MAX
** ACROSS FLATS

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 |

