## ow Pass Filter

# VLF-180+

#### $50\Omega$ DC to 180 MHz

## **Maximum Ratings**

Operating Temperature	-55°C to 100°C
Storage Temperature	-55°C to 100°C
RF Power Input*	8W at 25°C

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

#### **Features**

- · Rugged uni-body construction, small size
- 7 sections
- Excellent power handling, 8W
- Temperature stable
- Low cost
- Protected by US patent 6,943,646

CASE STYLE: FF704

Connectors	Model
SMA	VLF-180+
SMA	VLF-180

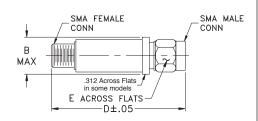
## **Applications**

- Harmonic rejection
- Transmitters/receivers
- Lab use

#### +RoHS Compliant

The +Suffix identifies RoHS Compliance. See our web site for RoHS Compliance methodologies and qualifications

### **Outline Drawing**



Outline Dimensions (inch )

Ε

grams

10

.312

7.92

D

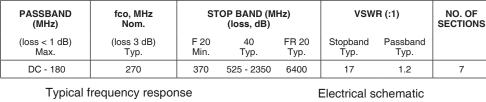
1.43

36.32

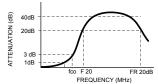
В

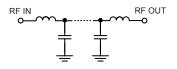
.410

10.41



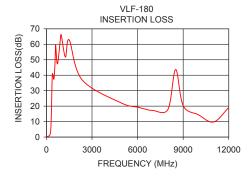
Low Pass Filter Electrical Specifications (T<sub>AMB</sub>= 25°C)

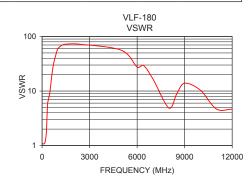




## Typical Performance Data at 25°C

Frequency (MHz)	Insertion Loss (dB)	VSWR (:1)
40	0.26	1.08
100	0.46	1.08
180	0.84	1.14
235	1.55	1.39
270	3.14	1.81
300	7.42	2.86
325	14.85	4.43
350	25.50	5.77
370	35.45	6.32
525	40.87	11.69
950	66.29	52.65
1700	52.11	62.05
2350	37.00	66.82
4500	23.37	31.03
6400	18.35	28.03
8500	43.67	9.53
12000	19.07	4.69





- A Performance and quality attributes and conditions not expressly stated in this specification document are intended to be excluded and do not form a part of this specification document.

  B. Electrical specifications and performance data contained in this specification document are based on Mini-Circuit's applicable established test performance criteria and measurement instructions.

  C. The parts covered by this specification document are subject to Mini-Circuits standard limited warranty and terms and conditions, (collectively, "Standard Terms"); Purchasers of this part are entitled to the rights and benefits contained therein. For a full statement of the Standard Terms and the exclusive rights and remedies thereunder, please visit Mini-Circuits' website at www.minicircuits.com/MCLStore/terms.jsp

<sup>\*</sup>Passband rating, derate linearly to 3 W at 100 °C ambient Permanent damage may occur if any of these limits are exceeded.