## **VLFG-2600+**

 $50\Omega$ DC to 2600 MHz

## **The Big Deal**

- Excellent power handling, 6W
- Temperature stable
- Rugged unibody construction
- Good rejection, 50 dB typical



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## **Product Overview**

VLFG-2600+ is a  $50\Omega$  low pass filter built in rugged unibody construction. Covering DC-2600 MHz bandwidth, these units offer good matching within the passband and good rejection in stopband. VLFG-2600+ offer low insertion loss, and excellent power handling capability. It handles up to 6W RF input power and provides a wide operating temperature range from -55°C to 100°C.

## **Key Features**

Feature	Advantages		
Low passband insertion loss	Suitable for high performance application.		
6W Power handling	Supports a range of system power requirements.		
Connectorized package	The connectorized package is easy to interface with other devices and well suited for test setups.		

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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.

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# **Low Pass Filter**

DC to 2600 MHz  $50\Omega$ 

## VLFG-2600+



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### +RoHS Compliant

Тур.

1.3

3.0

16

50

43

30

25

20

34

Max.

2.2

Unit

dB

dB

dB

dB

dΒ

dΒ

dΒ

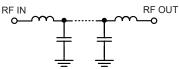
The +Suffix identifies RoHS Compliance. See our web site for RoHS Compliance methodologies and qualifications

### **Features**

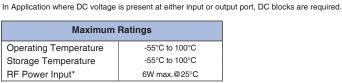
- Low loss, 1.3 dB typical
- · Good rejection 50 dB typical
- · Excellent power handling, 6W
- Temperature stable
- Connectorized package
- Rugged unibody construction

## **Applications**

- · Military radar applications
- Test and measurement
- · Telecommunication and broadband wireless applications



### **Functional Schematic**



Parameter

Pass Band

Stop Band

Insertion Loss

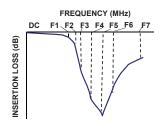
Freq. Cut-Off

Return Loss

Rejection Loss

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

## **Typical Frequency Response**



## Typical Performance Data at 25°C

Electrical Specifications at 25°C

Frequency (MHz)

DC - 2600

3000

DC - 2600

3850 - 4200

4200 - 7000

7000 - 10000

10000 - 15000

F#

DC-F1

F2

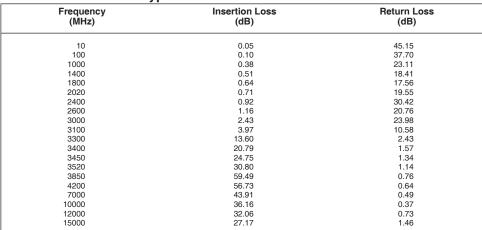
DC-F1

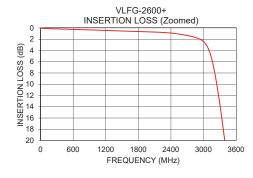
F3-F4

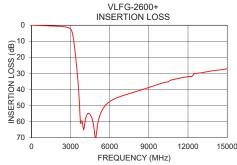
F4-F5

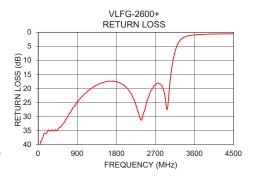
F5-F6

F6-F7









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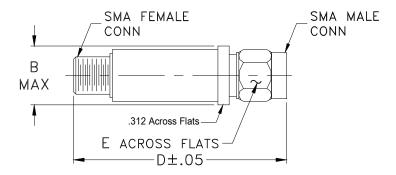
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### **Coaxial Connections**

PORT - 1	SMA-Male		
PORT - 2	SMA-Female		

## **Outline Drawing**



## Outline Dimensions (inch )

В	D	Ε	wt.
.410	1.43	.312	grams
10 41	36 32	7 92	10

Note: Please refer to case style drawing for details

Notes
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