VLFG-2750+

 50Ω DC to 2750 MHz

The Big Deal

- Excellent power handling, 6W
- Temperature stable
- Rugged unibody construction
- Good rejection, 42 dB typical



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Product Overview

VLFG-2750+ is a 50Ω low pass filter built in rugged unibody construction. Covering DC-2750 MHz bandwidth, these units offer good matching within the passband and good rejection in stopband. VLFG-2750+ 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 2750 MHz 50Ω

VLFG-2750+



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+RoHS Compliant

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

Тур.

1.2

3.0

16

40

42

30

25

20

33

Max.

2

Unit

dB

dB

dB

dB

dΒ

dΒ

dΒ

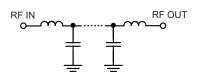
Features

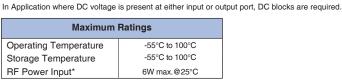
- Low loss, 1.2 dB typical
- · Good rejection 42 dB typical
- · Excellent power handling, 6W
- Temperature stable
- Connectorized package
- Rugged unibody construction

Applications

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

Functional Schematic





Parameter

Pass Band

Stop Band

Insertion Loss

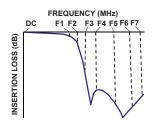
Freq. Cut-Off

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 - 2750

3150

DC - 2750

4000 - 4350

4350 - 7200

7200 - 10000

10000 - 16000

F#

DC-F1

F2

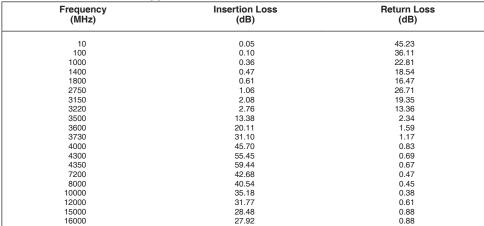
DC-F1

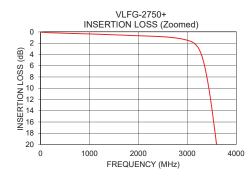
F3-F4

F4-F5

F5-F6

F6-F7









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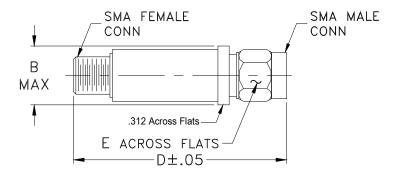
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Coaxial Connections

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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