Ultra-Reliable Low Pass Filter

50Ω

DC to 5400 MHz

Maximum Ratings

•		
Operating Temperature	-55°C to 100°C	
Storage Temperature	-55°C to 100°C	
RF Power Input*	19W max. at 25°C	

* Passband rating, derate linearly to 0.4xPmax at 100°C ambient. Permanent damage may occur if any of these limits are exceeded.

Outline Drawing

SMA FEMALE

.312 Across Flats

-D±.05

Outline Dimensions (inch)

Е

.312

7.92

wt

grams

10.0

D

1.43

36.32

in some models _____ E ACROSS FLATS

CONN

В

.410

10.41

⊈ B

MAX

Features

- rugged unibody construction
- low insertion loss passband, less than 1 dB typ.
- excellent power handling, 19W
- low cost

Applications

- harmonic rejection
- transmitters/receivers
- lab use

SMA MALE CONN



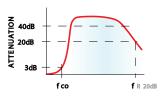


CASE STYLE: FF704					
Connectors	Model	Price	Qty.		
SMA	VLP-64	\$24.95 ea.	(1-9)		

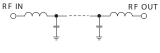
Electrical Specifications (T_{AMB}=25°C)

PASSBAND (MHz)	fco, MHz Nom.		STOP BAND (MHz)		VSWR (:1)
(loss < 1 dB)	(loss 3 dB)				Passband
Тур.	Тур.	(loss > 20 dB)		fr20 dB Typ.	Тур.
DC-5400	6410	9000		18000	1.1

typical frequency response

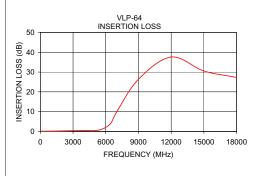


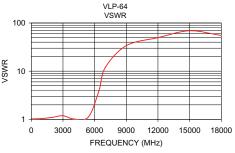
electrical schematic



Typical Performance Data

Frequency (MHz)	Insertion Loss (dB)		
50.00	0.09	1.02	
1000.00	0.16	1.04	
2000.00	0.26	1.10	
3000.00	0.38	1.19	
4000.00	0.45	1.02	
5400.00	0.73	1.11	
6410.00	3.76	3.91	
7000.00	9.80	11.81	
9000.00	26.39	33.93	
12000.00	37.61	49.56	
15000.00	30.54	69.04	
18000.00	27.29	55.01	





For detailed performance specs & shopping online see web site

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Notes: 1. Performance and quality attributes and conditions not expressly stated in this specification sheet are intended to be excluded and do not form a part of this specification sheet. 2. Electrical specifications and performance data contained herein are based on Mini-Circuit's applicable established test performance criteria and measurement instructions. 3. The parts covered by this specification sheet are subject to Mini-Circuit's tandard Terms'); Purchasers of this part are retritled 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-Circuit's website at www.minicircuits.com/MCLStore/terms.jsp.

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