Coaxial Low Pass Filter

50Ω

*DC to 2250 MHz

Maximum Ratings

•		
Operating Temperature	erature -55°C to 100°C	
Storage Temperature	-55°C to 100°C	
RF Power Input*	10W 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. Permanent damage may occur if any of these limits are exceeded

Features

- rugged uni-body construction, small size
- 7 sections
- excellent power handling, 10W
- temperature stable
- low cost
- protected by U.S. Patent 6,943,646

Applications

- harmonic rejection
- transmitters/receivers
- lab use

VLF-2250+
VLF-2250

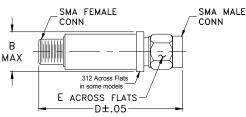


CASE STYLE: FE704

Connectors Model SMA VLF-2250(+)

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

Outline Drawing



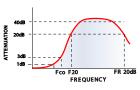
Outline Dimensions (inch)

В	D	Е	wt
.410	1.43	.312	grams
10.41	36.32	7.92	10.0

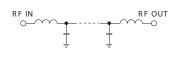
Electrical Specifications at 25°C PASSBAND STOP BAND (MHz) fco, MHz VSWR NO. OF SECTIONS (MHz) Nom. (loss, dB) (:1) (loss < 1.2 dB) (loss 3 dB) f 20 30 fr 20 Stopband Passband Max Тур. Min Тур Тур Тур. Тур *DC-2200 2575 2900 3000-5000 7200 20 1.2 7

Not for use with DC voltage at input and output ports

typical frequency response

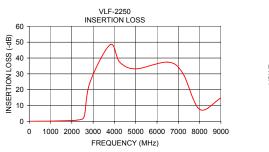


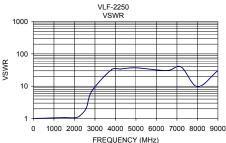
electrical schematic



Typical Performance Data at 25°C

Frequency (MHz)	Insertion Loss (dB)	VSWR (:1)
50.00	0.06	1.01
500.00	0.11	1.02
1000.00	0.15	1.05
1500.00	0.33	1.07
2000.00	0.51	1.06
2250.00	0.82	1.20
2575.00	2.84	2.10
2850.00	24.55	7.08
3800.00	48.40	32.18
4250.00	37.39	34.07
5000.00	33.16	36.97
6500.00	37.38	30.49
7200.00	30.64	39.49
8000.00	7.60	9.69
9000.00	14.79	30.49





Notes

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-Circuit's website at www.minicircuits.com/WCLStore/terms.jsp



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REV .I M151107 VLF-2250