Low Pass Filter

VLF-1450+ VLF-1450

50Ω

*DC to 1450 MHz

Maximum Ratings

Operating Temperature	-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.

Features

- rugged uni-body construction, small size
- 7 sections
- excellent power handling, 10W
- temperature stable

Applications

harmonic rejectiontransmitters/receivers

· low cost

• lab use

• protected by U.S. Patent 6,943,646

Canada in

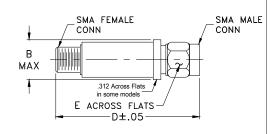
CASE STYLE: FF704

Connectors	Model	Price	Qty.
SMA	VLF-1450(+)	\$21.95 ea.	(1-9)

+RoHS Compliant

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

Outline Drawing



Outline Dimensions (inch)

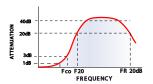
wt	E	D	В
grams	.312	1.43	.410
10.0	7 92	36.32	10 41

Electrical Specifications at 25°C

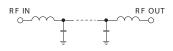
PASSBAND (MHz)	fco, MHz Nom.	STOP BAND (MHz) (loss, dB)		VSWR (:1)		NO. OF SECTIONS	
(loss < 1 dB)	(loss 3 dB)	f 20	30	fr 20	Stopband	Passband	
Max.	Тур.	Min.	Тур.	Тур.	Тур.	Тур.	
*DC-1450	1825	2025	2050-6600	6700	20	1.2	7

^{*} Not for use with DC voltage at input and output ports

typical frequency response

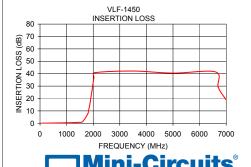


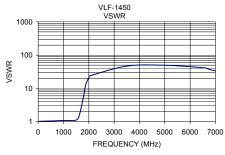
electrical schematic



Typical Performance Data at 25°C

Frequency (MHz)	Insertion Loss (dB)	VSWR (:1)
50	0.09	1.03
500	0.22	1.05
1000	0.41	1.09
1450	0.79	1.10
1600	1.36	1.35
1790	7.31	5.59
1825	10.28	8.08
1880	16.05	13.09
2025	36.64	23.49
2050	40.77	24.14
3500	42.15	46.96
5000	40.48	49.64
6600	41.43	41.37
6700	29.08	38.61
7000	18.74	33.42





For detailed performance specs & shopping online see web site

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