

Coaxial Low Pass Filter

50Ω

*DC to 80 MHz

VLF-80+
VLF-80

Maximum Ratings

Operating Temperature	-55°C to 100°C
Storage Temperature	-55°C to 100°C
RF Power Input*	8.5W 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, 8.5W
- temperature stable
- low cost
- protected by U.S. Patent 6,943,646

Applications

- harmonic rejection
- transmitters/receivers
- lab use



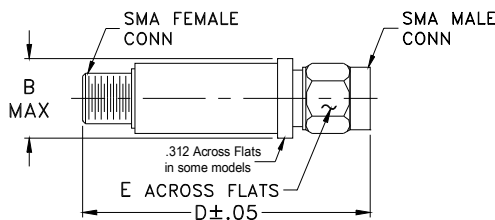
CASE STYLE: FF704

Connectors	Model	Price	Qty.
SMA	VLF-80(+)	\$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/mm)

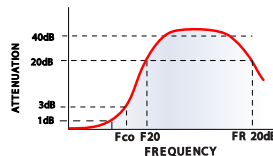
B	D	E	wt
.410	1.43	.312	grams
10.41	36.32	7.92	10.0

Electrical Specifications at 25°C

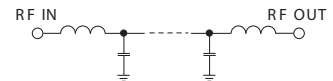
PASSBAND (MHz)	fco, MHz Nom.	STOP BAND (MHz) (loss, dB)			VSWR (:1)		NO. OF SECTIONS
(loss < 1 dB)	(loss 3 dB)	f 20	40	fr 20	Stopband	Passband	
Max.	Typ.	Min.	Typ.	Typ.	Typ.	Typ.	
*DC-80	145	200	225-1550	4500	20	1.2	7

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

typical frequency response

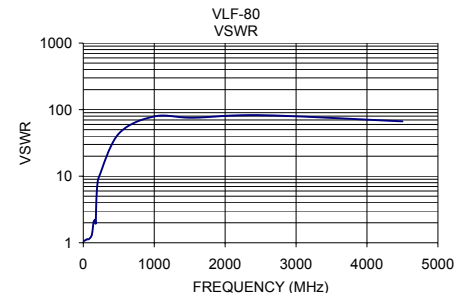
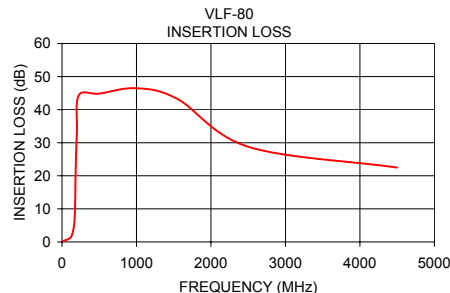


electrical schematic



Typical Performance Data at 25°C

Frequency (MHz)	Insertion Loss (dB)	VSWR (:1)
1	0.22	1.05
50	0.54	1.12
80	0.80	1.14
120	1.48	1.31
145	3.00	2.05
165	5.77	2.21
175	10.24	1.96
185	22.74	4.50
200	33.16	7.66
225	44.32	9.96
500	44.85	43.44
1000	46.49	78.97
1550	43.24	75.53
2500	28.79	82.73
4500	22.48	66.82



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