Coaxial

Low Pass Filter

50Ω *DC to 2850 MHz

VLF-2850+
VLF-2850

CASE STYLE: FF704

Connectors	Model	Price	Qty.
SMA	VLF-2850(+)	$21.95 ea.	(1-9)

+RoHS Compliant

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

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.*
Permanent damage may occur if any of these limits are exceeded.

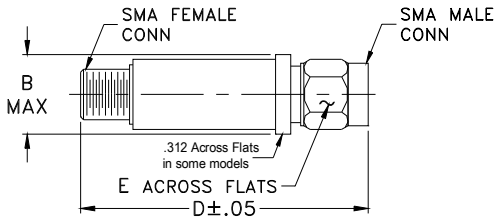
Features

- 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

Outline Drawing



Outline Dimensions (inch / mm)

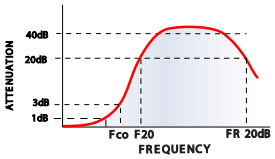
B	D	E	wt
.410	1.43	.312	grams
10.41	36.32	7.92	10.0

Electrical Specifications at 25°C

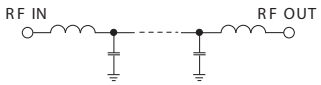
PASSBAND (MHz)	fco, MHz Nom.	STOP BAND (MHz) (loss, dB)			VSWR (:1)		NO. OF SECTIONS
(loss < 1.5 dB)	(loss 3 dB)	f 20	30	fr 20	Stopband	Passband	
Max.	Typ.	Min.	Typ.	Typ.	Typ.	Typ.	
*DC-2800	3300	4000	4200-7400	9000	20	1.2	7

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

typical frequency response

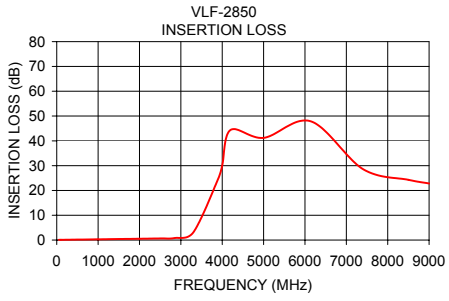


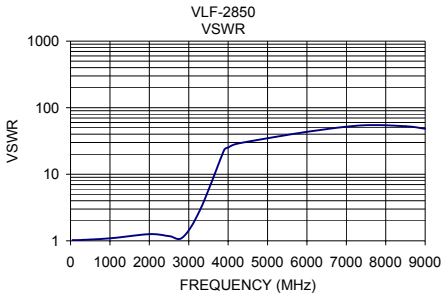
electrical schematic



Typical Performance Data at 25°C

Frequency (MHz)	Insertion Loss (dB)	VSWR (:1)
50	0.09	1.03
100	0.10	1.02
1000	0.29	1.09
2000	0.52	1.26
2500	0.64	1.18
2850	0.81	1.13
3300	3.09	3.00
3900	24.62	23.18
4000	30.09	25.19
4200	44.37	28.49
5000	41.19	34.75
6140	47.87	44.55
7400	28.61	54.29
8500	24.29	52.65
9000	22.82	48.26





For detailed performance specs & shopping online see web site

REV. E
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VLF-2850
EDR-6783/1
AD/TD/CP/AM
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