Coaxial Low Pass Filter

50Ω *DC to 160 MHz

Maximum Ratings

Operating Temperature	-55°C to 100°C
Storage Temperature	-55°C to 100°C
RF Power Input*	8W at 25°C

DC Current Input to Output 0.5A max. at 25°C *Passband rating, derate linearly to 3 W at 100 °C ambient Permanent damage may occur if any of these limits are exceeded.





Outline Dimensions ($_{mm}^{inch}$)

В	D	Е	wt.
.410	1.43	.312	grams
10.41	36.32	7.92	10

Features

- Rugged uni-body construction, small size
- 7 sections
- Excellent power handling, 8W
- Temperature stable
- Low cost
- Protected by US patent 6,943,646

Applications

- Harmonic rejection
- Transmitters/receivers
- Lab use



VLF-160+

CASE STYLE: FF704

Connectors Model
SMA VLF-160+

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

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

PASSBAND (MHz)	fco, MHz Nom.	STOP BAND (MHz) (loss, dB)			VSWR (:1)		NO. OF SECTIONS
(loss < 1 dB) Max.	(loss 3 dB) Typ.	F 20 Min.	35 Typ.	FR 20 Typ.	Stopband Typ.	Passband Typ.	
*DC - 160	230	330	480 - 2700	6100	17	1.2	7

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





Typical Performance Data at 25°C

Frequency (MHz)	Insertion Loss (dB)	VSWR (:1)
40	0.32	1.07
100	0.52	1.08
150	0.78	1.11
160	0.85	1.13
210	1.64	1.44
230	2.55	1.77
260	6.08	2.81
280	10.97	3.87
310	22.74	5.27
330	33.27	5.81
350	42.12	6.19
480	40.13	11.85
1000	64.46	69.49
2700	34.45	75.53
6100	20.50	36.97
9000	23.14	15.13
12000	16.88	4.24



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REV. C M151121 EDR-7071/3 VLF-160+ RAV 170201 Page 1 of 1