

Low Pass Filter

HT-VLF-1575+

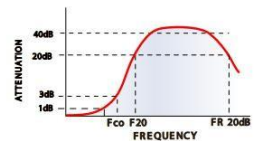


50Ω *DC to 1575 MHz

electrical schematic



typical frequency response



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

Applications

- harmonic rejection
- transmitters/receivers
- lab use

Electrical Specifications at 25°C

PASSBAND (MHz) (loss < 1.2 dB) max.	fco, MHz Nom. (loss 3 dB) Typ.	STOP BAND (MHz) (loss, dB)			VSWR (:1)		NO. OF SECTIONS
		f 20 min.	40 typ.	fr 20 max.	Stopband Typ.	Passband Typ.	
DC~1575	1875	2175	2225-6800	7100	20	1.2	7

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

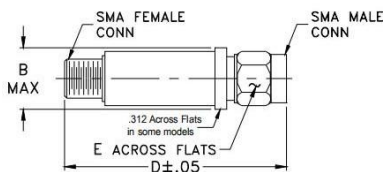
Typical Performance Data

(TEST CONDITIONS: INPUT POWER = 0dBm @ Temperature = +25°C)

Frequency (MHz)	Insertion Loss (dB)	VSWR (:1)
50	0.06	1.03
500	0.19	1.05
1575	0.73	1.29
1800	1.51	1.56
1875	2.71	2.29
1950	5.83	4.40
2020	11.60	8.81
2100	22.31	15.26
2175	38.03	20.22
2225	33.68	22.58
4000	41.86	44.55
5000	42.91	59.91
6800	33.43	34.07
7100	30.89	32.18
9000	19.27	52.65

Outline Drawing

Outline Drawing



Outline Dimensions: Unit (mm)

B	10.41	E	7.92
D	36.32		
wt	10.0		

