

Low Pass Filter

Features

- rugged uni-body construction, small size
- 7 sections
- excellent power handling, 8.5W
- temperature stable
- low cost

Applications

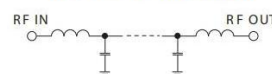
- harmonic rejection
- transmitters/receivers
- lab use

HT-VLF-45+

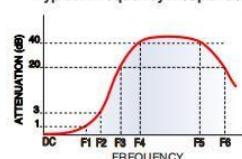


50Ω *DC to 45 MHz

electrical schematic



Typical Frequency Response



Electrical Specifications at 25°C

Parameter	F#	Frequency(MHz)	Min.	Typ.	Max.	Unit
Pass Band	Insertion Loss	DC-F1	DC-45	-	1.0	1.2 dB
	Freq.Cut-Off	F2	77	-	3.0	- dB
	VSWR	DC-F1	DC-45	-	1.2	1.3 :1
Stop Band	Rejection Loss	F3	120	20	27	- dB
		F4-F5	150-910	-	33	- dB
		F6	1000	-	20	- dB
		F3-F6	120-1000	-	18	- :1

* 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)
0.30	0.42	1.09
29.00	0.74	1.17
37.00	0.89	1.19
40.00	0.95	1.19
60.00	1.43	1.29
75.00	2.66	2.03
95.00	11.96	9.18
120.00	27.64	15.67
140.00	36.43	17.93
150.00	39.88	18.90
190.00	53.36	23.49
400.00	49.60	57.91
700.00	60.72	96.51
900.00	41.65	82.73
1100.00	12.04	5.54

Maximum Ratings

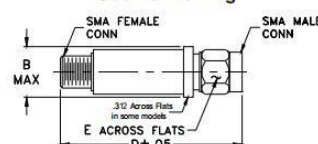
Operating Temperature -55°C to 100°C

Storage Temperature -55°C to 100°C

RF Power Input* 8.5W max. at 25°C

* Assuming rating, operate linearly to 250V at 100°C ambient. Permanent damage may occur if any of these limits are exceeded.

Outline Drawing



Outline Dimensions: Unit (mm)

B	10.41	E	7.92
D	36.32		
wt	10.0		

