

Plug-In High Pass Filter

50Ω 133 to 600 MHz

Maximum Ratings

Operating Temperature -55°C to 100°C

Storage Temperature -55°C to 100°C

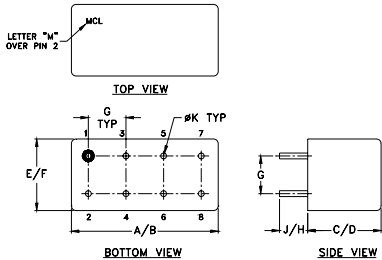
RF Power Input 0.5W max.

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

Pin Connections

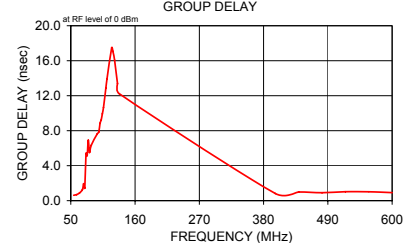
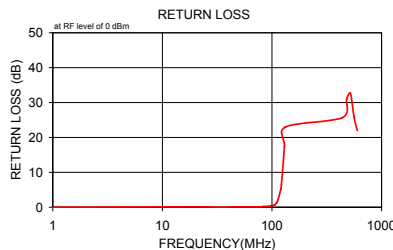
INPUT	1
OUTPUT	8
GROUND	2,3,4,5,6,7
CASE GROUND	2,3,4,5,6,7

Outline Drawing



Outline Dimensions (inch/mm)

A	B	C	D	E	F
.770	.800	.385	.400	.370	.400
19.56	20.32	9.78	10.16	9.40	10.16
G	H	J	K	wt	
.200	.20	.14	.031	grams	
5.08	5.08	3.56	0.79	5.2	



Notes

- Performance and quality attributes and conditions not expressly stated in this specification document are intended to be excluded and do not form a part of this specification document.
- Electrical specifications and performance data contained in this specification document are based on Mini-Circuit's applicable established test performance criteria and measurement instructions.
- The parts covered by this specification document are subject to Mini-Circuit's standard limited warranty and terms and conditions (collectively, "Standard Terms"); Purchasers of this part are entitled to the rights and benefits contained therein. For a full statement of the Standard Terms and the exclusive rights and remedies thereunder, please visit Mini-Circuit's website at www.minicircuits.com/MCLStore/terms.jsp

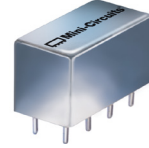
Features

- rugged shielded case, hermetically sealed
- other standard and custom PHP models available with wide selection of fco

Applications

- lab use
- transmitters/receivers
- military/hi-rel application

PHP-150+



CASE STYLE: A01

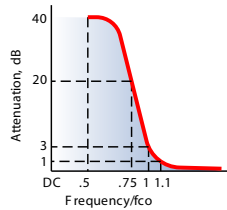
+RoHS Compliant

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

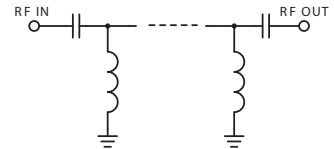
High Pass Filter Electrical Specifications

STOPBAND (MHz)		fco (MHz) Nom.	PASSBAND (MHz)	VSWR (:1)	
(loss > 40 dB)	(loss > 20 dB)	(loss 3 dB)	(loss <1 dB)	Stopband Typ.	Passband Typ.
DC-70	70-95	120	133-600	17	1.8

typical frequency response



electrical schematic



Typical Performance Data

Frequency (MHz)	Insertion Loss (dB)	Return Loss (dB)	Frequency (MHz)	Group Delay (nsec)
	$\bar{x}$	σ		
1.00	67.11	4.7	55.00	0.62
15.00	75.59	2.2	60.00	0.70
25.00	73.88	4.2	65.00	0.89
35.00	76.27	7.6	70.00	1.27
45.00	72.72	3.5	72.00	1.94
50.00	74.11	7.3	74.00	1.44
55.00	64.05	0.8	76.00	5.40
60.00	58.59	1.0	78.00	5.11
65.00	51.97	0.7	80.00	6.91
70.00	46.87	0.5	82.00	5.51
72.00	45.03	0.4	85.00	6.34
76.00	40.80	0.4	95.00	7.61
80.00	36.81	0.4	98.00	7.85
82.00	34.95	0.4	100.00	8.84
85.00	32.07	0.4	102.00	9.20
95.00	22.87	0.3	104.00	9.93
98.00	20.15	0.3	106.00	10.65
102.00	16.56	0.3	110.00	12.86
106.00	13.01	0.2	112.00	13.91
110.00	9.58	0.2	120.00	17.48
112.00	7.96	0.2	122.00	17.07
120.00	2.86	0.3	125.00	16.07
122.00	2.09	0.3	130.00	13.38
130.00	0.71	0.1	133.00	12.23
133.00	0.59	0.1	230.00	0.83
140.00	0.21	0.1	257.00	0.99
148.00	0.19	0.1	309.00	0.91
152.00	0.21	0.1	326.00	1.03
156.00	0.22	0.1	259.00	1.02
160.00	0.24	0.1	220.00	0.92