

Plug-In High Pass Filter

50Ω 1000 to 2200 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

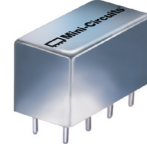
Features

- 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-1000+



CASE STYLE: A01

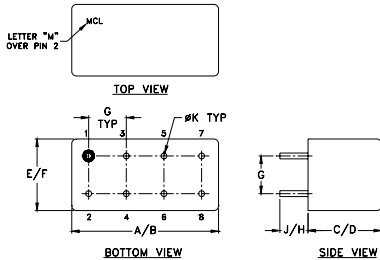
+RoHS Compliant

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)
DC-550	550-720	900	1000-2200
			Stopband Typ. Passband Typ.
			17 1.9

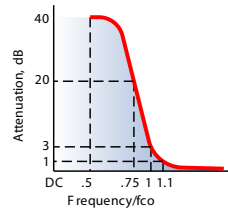
Outline Drawing



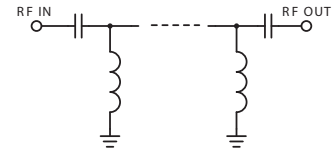
Outline Dimensions (inch mm)

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

typical frequency response

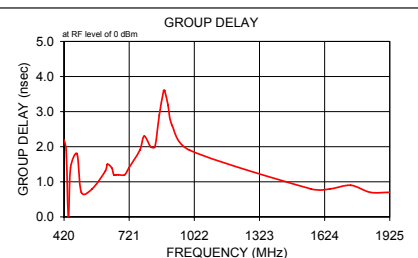
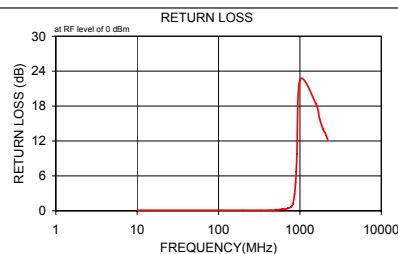


electrical schematic



Typical Performance Data

Frequency (MHz)	Insertion Loss (dB)	Return Loss (dB)	Frequency (MHz)	Group Delay (nsec)
	$\bar{x}$	σ		
10.00	83.18	2.8	420.00	2.22
200.00	87.50	7.1	430.00	1.93
330.00	81.91	4.5	440.00	0.04
410.00	69.01	3.7	450.00	1.38
430.00	64.76	2.6	480.00	1.80
440.00	63.14	2.6	500.00	0.67
450.00	61.53	2.3	550.00	0.76
480.00	56.69	1.8	610.00	1.26
500.00	53.07	1.3	620.00	1.48
550.00	45.76	1.0	640.00	1.37
610.00	36.92	0.6	650.00	1.22
640.00	32.87	0.5	660.00	1.18
660.00	30.45	0.5	670.00	1.18
670.00	29.21	0.5	700.00	1.23
700.00	25.28	0.4	720.00	1.37
720.00	22.61	0.4	770.00	1.95
770.00	15.62	0.4	790.00	2.35
820.00	9.80	0.5	820.00	2.04
860.00	4.84	0.4	840.00	1.97
880.00	2.75	0.4	860.00	2.88
885.00	2.41	0.4	880.00	3.59
900.00	1.81	0.4	885.00	3.56
920.00	1.40	0.3	900.00	3.22
1000.00	0.57	0.1	920.00	2.58
1560.00	0.53	0.1	1000.00	1.90
1745.00	0.42	0.1	1560.00	0.83
1925.00	0.62	0.1	1650.00	0.82
2015.00	0.59	0.1	1745.00	0.87
2110.00	0.77	0.1	1835.00	0.75
2200.00	0.71	0.1	1925.00	0.73



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-Circuits 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-Circuits' website at www.minicircuits.com/MCLStore/terms.jsp



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