Plug-In

High Pass Filter

PHP-250+

50Ω 225 to 1200 MHz

CASE STYLE: A01
PRICE: $17.20 ea. QTY: (1-9)

+ RoHS compliant in accordance with EU Directive (2002/95/EC)

The +Suffix has been added in order to identify RoHS Compliance. See our web site for RoHS Compliance methodologies and qualifications.

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
- other standard and custom PHP models available with wide selection of fco

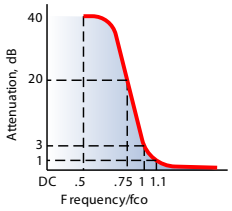
Applications

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

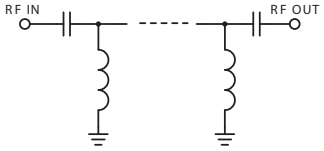
High Pass Filter Electrical Specifications

STOPBAND (MHz)		fco (MHz) Nom.	PASSBAND (MHz)	VSWR (:1)	
				Stopband Typ.	Passband Typ.
(loss > 40 dB)	(loss > 20 dB)	(loss 3 dB)	(loss <1 dB)		
DC-100	100-150	205	225-1200	17	1.3

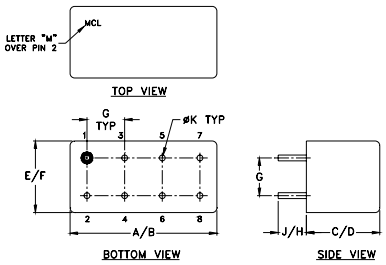
typical frequency response



electrical schematic



Outline Drawing

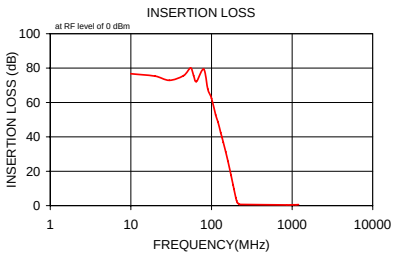


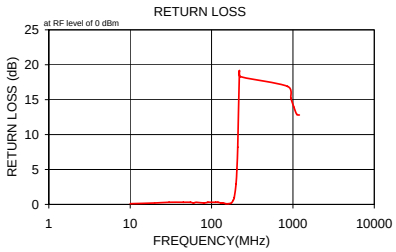
Outline Dimensions (inch / mm)

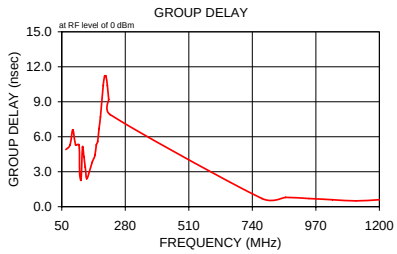
A	B	C	D	E	F
.770	.800	.385	.400	.370	.400
19.56	20.32	9.78	10.16	9.40	10.16
G	H	J	K		wt
.200	.20	.14	.031		grams
5.08	5.08	3.56	0.79		5.2

Typical Performance Data

Frequency (MHz)	Insertion Loss (dB) x̄	Insertion Loss (dB) σ	Return Loss (dB)	Frequency (MHz)	Group Delay (nsec)
10.0	76.72	4.7	0.1	65.0	4.87
20.0	75.31	6.1	0.2	80.0	5.31
30.0	72.93	2.4	0.3	90.0	6.58
45.0	75.64	7.5	0.3	100.0	5.25
55.0	80.00	7.3	0.3	112.5	5.32
60.0	75.56	5.5	0.2	115.0	2.79
65.0	72.15	5.4	0.3	120.0	2.30
80.0	79.38	6.5	0.2	125.0	5.09
90.0	67.76	2.6	0.3	130.0	4.28
100.0	62.37	1.3	0.3	135.0	3.36
112.5	52.78	0.8	0.3	140.0	2.45
120.0	48.75	1.0	0.3	150.0	2.97
130.0	42.50	1.0	0.2	160.0	3.83
135.0	39.68	0.9	0.2	170.0	4.42
140.0	36.80	0.9	0.2	175.0	5.34
150.0	31.25	0.8	0.1	180.0	5.61
160.0	25.78	0.9	0.1	185.0	6.71
175.0	17.58	0.8	0.2	190.0	7.72
185.0	12.12	0.7	0.6	200.0	10.39
190.0	9.45	0.6	1.0	205.0	11.22
200.0	4.68	0.4	2.9	210.0	11.21
205.0	2.91	0.2	5.0	215.0	10.43
210.0	1.73	0.2	8.2	220.0	9.18
220.0	0.78	0.1	19.1	225.0	7.95
225.0	0.69	0.1	18.3	775.0	0.73
860.0	0.38	0.1	16.9	860.0	0.76
945.0	0.43	0.1	15.2	945.0	0.68
1030.0	0.48	0.1	13.9	1030.0	0.63
1115.0	0.52	0.1	12.9	1115.0	0.51
1200.0	0.56	0.1	12.8	1200.0	0.64







For detailed performance specs & shopping online see web site

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M108294
PHP-250+
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