Plug-In

High Pass Filter

PHP-150+

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

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

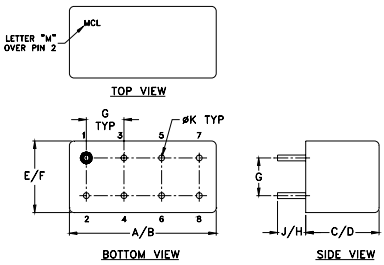
Generic photo used for illustration purposes only

CASE STYLE: A01

+RoHS Compliant

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

Outline Drawing



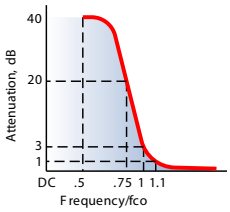
Outline Dimensions (inch / mm)

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

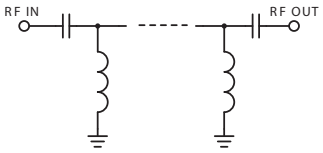
High Pass Filter Electrical Specifications

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



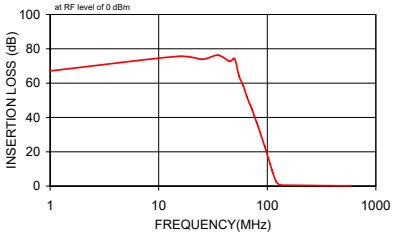
electrical schematic



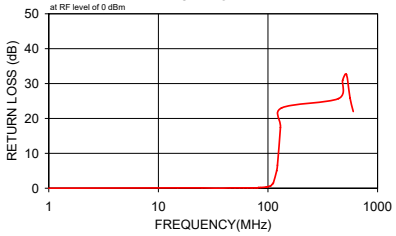
Typical Performance Data

Frequency (MHz)	Insertion Loss (dB) x̄	Insertion Loss (dB) σ	Return Loss (dB)	Frequency (MHz)	Group Delay (nsec)
1.00	67.11	4.7	0.0	55.00	0.62
15.00	75.59	2.2	0.1	60.00	0.70
25.00	73.88	4.2	0.1	65.00	0.89
35.00	76.27	7.6	0.0	70.00	1.27
45.00	72.72	3.5	0.1	72.00	1.94
50.00	74.11	7.3	0.1	74.00	1.44
55.00	64.05	0.8	0.1	76.00	5.40
60.00	58.59	1.0	0.1	78.00	5.11
65.00	51.97	0.7	0.1	80.00	6.91
70.00	46.87	0.5	0.1	82.00	5.51
72.00	45.03	0.4	0.1	85.00	6.34
76.00	40.80	0.4	0.1	95.00	7.61
80.00	36.81	0.4	0.1	98.00	7.85
82.00	34.95	0.4	0.2	100.00	8.84
85.00	32.07	0.4	0.2	102.00	9.20
95.00	22.87	0.3	0.3	104.00	9.93
98.00	20.15	0.3	0.4	106.00	10.65
102.00	16.56	0.3	0.5	110.00	12.86
106.00	13.01	0.2	0.7	112.00	13.91
110.00	9.58	0.2	1.2	120.00	17.48
112.00	7.96	0.2	1.5	122.00	17.07
120.00	2.86	0.3	5.0	125.00	16.07
122.00	2.09	0.3	6.6	130.00	13.38
130.00	0.71	0.1	17.4	133.00	12.23
133.00	0.59	0.1	23.0	400.00	0.83
440.00	0.21	0.1	25.7	440.00	0.99
480.00	0.19	0.1	30.9	480.00	0.91
520.00	0.21	0.1	32.6	520.00	1.03
560.00	0.22	0.1	25.9	560.00	1.02
600.00	0.24	0.1	22.0	600.00	0.92

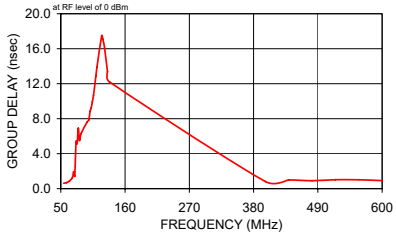
INSERTION LOSS



RETURN LOSS



GROUP DELAY



Notes

A. 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.
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