Plug-In

High Pass Filter

PHP-150+
PHP-150

50Ω 133 to 600 MHz

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

Maximum Ratings

Operating Temperature	-55°C to 100°C
Storage Temperature	-55°C to 100°C
RF Power Input	0.5W max.

Pin Connections

INPUT	1
OUTPUT	8
GROUND	2,3,4,5,6,7
CASE GROUND	2,3,4,5,6,7
DEMO BOARD	TB-305

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

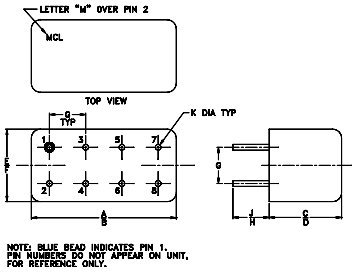
+ RoHS compliant in accordance with EU Directive (2002/95/EC)

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

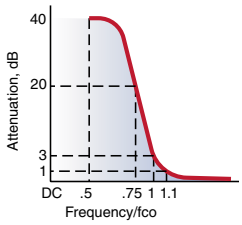
Outline Drawing



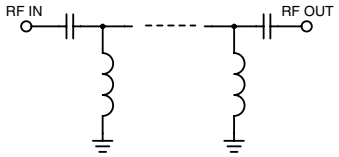
Outline Dimensions (inch / mm)

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



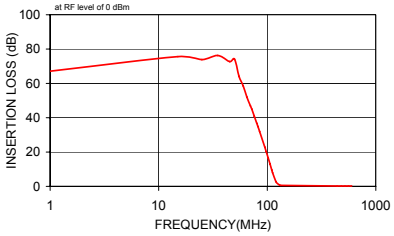
electrical schematic



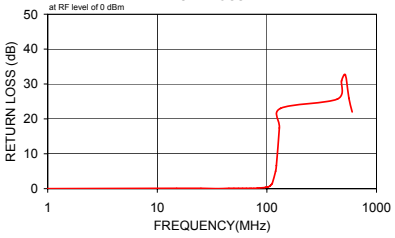
Typical Performance Data

Frequency (MHz)	Insertion Loss (dB) 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