Plug-In

High Pass Filter

PHP-1000+
PHP-1000

50Ω 1000 to 2200 MHz



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

+ 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.

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

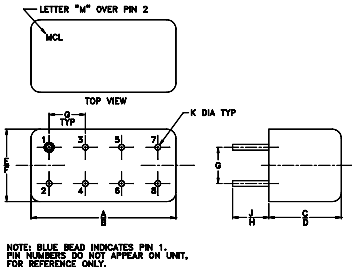
Features

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

Applications

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

Outline Drawing



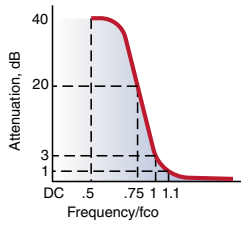
Outline Dimensions (inch / mm)

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

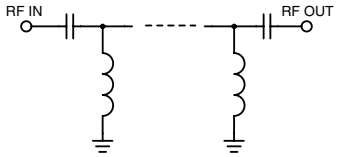
High Pass Filter Electrical Specifications

STOPBAND (MHz) (loss > 40 dB)	STOPBAND (MHz) (loss > 20 dB)	fco (MHz) Nom. (loss 3 dB)	PASSBAND (MHz) (loss <1 dB)	VSWR (:1) Stopband Typ.	VSWR (:1) Passband Typ.
DC-550	550-720	900	1000-2200	17	1.9

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)
10.00	83.18	2.8	0.1	420.00	2.22
200.00	87.50	7.1	0.1	430.00	1.93
330.00	81.91	4.5	0.1	440.00	0.04
410.00	69.01	3.7	0.1	450.00	1.38
430.00	64.76	2.6	0.1	480.00	1.80
440.00	63.14	2.6	0.1	500.00	0.67
450.00	61.53	2.3	0.1	550.00	0.76
480.00	56.69	1.8	0.1	610.00	1.26
500.00	53.07	1.3	0.2	620.00	1.48
550.00	45.76	1.0	0.2	640.00	1.37
610.00	36.92	0.6	0.3	650.00	1.22
640.00	32.87	0.5	0.3	660.00	1.18
660.00	30.45	0.5	0.3	670.00	1.18
670.00	29.21	0.5	0.3	700.00	1.23
700.00	25.28	0.4	0.4	720.00	1.37
720.00	22.61	0.4	0.5	770.00	1.95
770.00	15.62	0.4	0.6	790.00	2.35
820.00	9.80	0.5	1.2	820.00	2.04
860.00	4.84	0.4	2.9	840.00	1.97
880.00	2.75	0.4	4.4	860.00	2.88
885.00	2.41	0.4	4.9	880.00	3.59
900.00	1.81	0.4	6.7	885.00	3.56
920.00	1.40	0.3	9.8	900.00	3.22
1000.00	0.57	0.1	22.5	920.00	2.58
1560.00	0.53	0.1	18.5	1000.00	1.90
1745.00	0.42	0.1	15.8	1560.00	0.83
1925.00	0.62	0.1	14.0	1650.00	0.82
2015.00	0.59	0.1	13.5	1745.00	0.87
2110.00	0.77	0.1	12.9	1835.00	0.75
2200.00	0.71	0.1	12.2	1925.00	0.73



