Plug-In

High Pass Filter

50Ω 600 to 1600 MHz

PHP-600+
PHP-600

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

+RoHS Compliant
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.

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

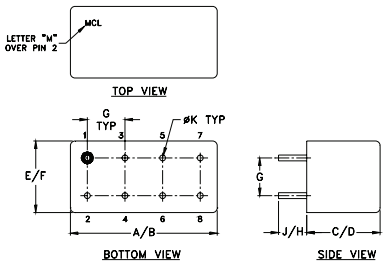
Applications

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

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-325	325-420	560	600-1600	17	1.5

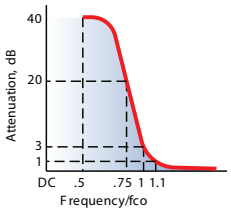
Outline Drawing



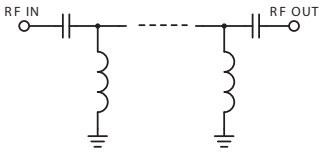
Outline Dimensions (inch / mm)

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

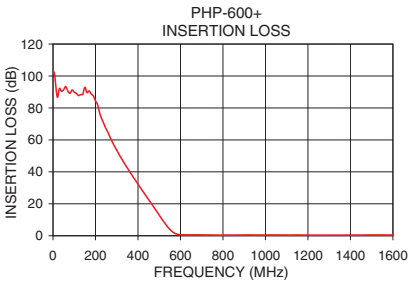


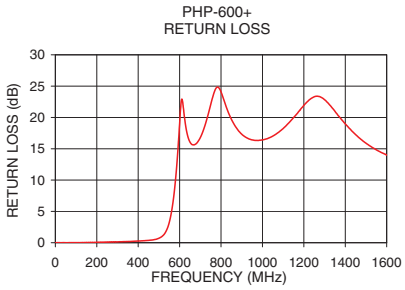
electrical schematic

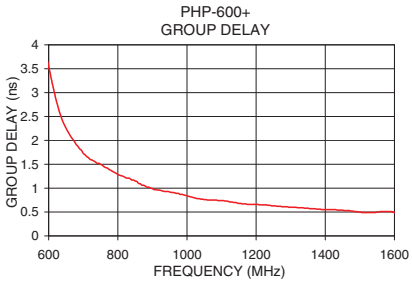


Typical Performance Data

Frequency (MHz)	Insertion Loss (dB) x̄	Insertion Loss (dB) σ	Return Loss (dB)	Frequency (MHz)	Group Delay (nsec)
1.00	101.25	6.07	0.01	600.00	3.42
50.00	91.37	5.83	0.00	625.00	2.65
100.00	89.81	3.74	0.01	650.00	2.20
250.00	66.76	1.19	0.09	700.00	1.71
325.00	47.71	0.69	0.16	750.00	1.48
420.00	28.37	0.63	0.30	800.00	1.28
490.00	14.86	0.68	0.59	850.00	1.14
530.00	7.18	0.63	1.56	900.00	0.98
560.00	2.70	0.38	4.75	950.00	0.91
575.00	1.42	0.21	8.30	1000.00	0.83
600.00	0.58	0.04	18.98	1100.00	0.74
800.00	0.32	0.01	24.09	1200.00	0.66
1000.00	0.39	0.02	16.42	1300.00	0.60
1200.00	0.31	0.01	21.92	1350.00	0.58
1300.00	0.29	0.01	22.83	1400.00	0.55
1400.00	0.32	0.02	18.97	1450.00	0.54
1500.00	0.41	0.02	15.89	1500.00	0.49
1600.00	0.43	0.02	14.02	1600.00	0.49







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IF/RF MICROWAVE COMPONENTS

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