

Plug-In High Pass Filter

PHP-800

50Ω 780 to 2000 MHz

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

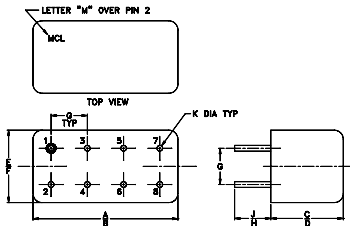


CASE STYLE: A01
PRICE: \$17.20 ea. QTY: (1-9)

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)
DC-445	445-570	710	780-2000
			Stopband Typ. Passband Typ.
			17 2.1

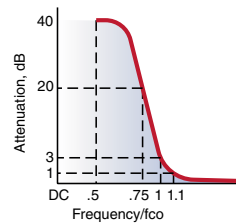
Outline Drawing



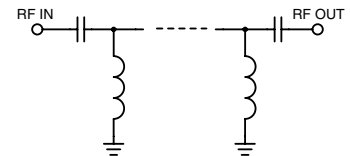
Outline Dimensions (inch)

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

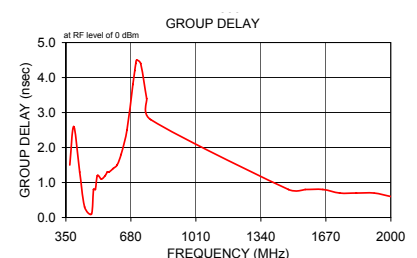
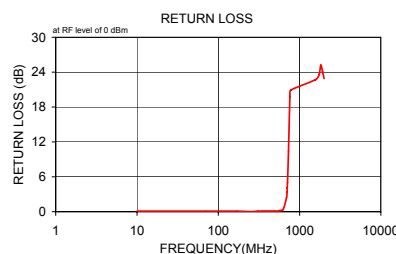


electrical schematic



Typical Performance Data

Frequency (MHz)	Insertion Loss (dB)	Return Loss (dB)	Frequency (MHz)	Group Delay (nsec)
$\bar{x}$	σ			
10.00	71.01	3.2	370.00	1.49
70.00	73.97	7.6	390.00	2.63
170.00	74.31	4.7	420.00	1.26
250.00	78.24	7.6	445.00	0.34
305.00	74.58	4.6	480.00	0.09
350.00	73.24	4.5	490.00	0.81
370.00	68.47	5.1	500.00	0.83
390.00	62.18	2.2	510.00	1.20
420.00	56.95	3.2	530.00	1.11
445.00	51.70	1.7	550.00	1.23
480.00	45.25	1.4	560.00	1.33
500.00	41.85	1.2	570.00	1.28
530.00	36.39	1.1	590.00	1.41
550.00	32.85	1.0	610.00	1.49
560.00	31.02	0.9	630.00	1.83
570.00	29.24	0.9	660.00	2.47
590.00	25.55	0.8	690.00	3.78
630.00	17.93	0.7	700.00	4.22
690.00	6.18	0.7	705.00	4.43
700.00	4.49	0.6	710.00	4.50
705.00	3.77	0.6	730.00	4.40
710.00	3.11	0.5	760.00	3.36
730.00	1.38	0.3	780.00	2.84
760.00	0.65	0.1	1480.00	0.83
780.00	0.59	0.1	1565.00	0.79
1565.00	0.34	0.1	1655.00	0.77
1740.00	0.36	0.1	1740.00	0.70
1825.00	0.33	0.1	1825.00	0.70
1915.00	0.34	0.1	1915.00	0.72
2000.00	0.34	0.1	2000.00	0.64



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