

Plug-In High Pass Filter

PHP-50

50Ω 41 to 200 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

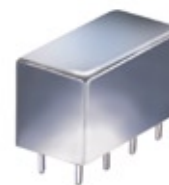
INPUT	1
OUTPUT	8
GROUND	2,3,4,5,6,7
CASE GROUND	2,3,4,5,6,7
DEMO BOARD	TB-305

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

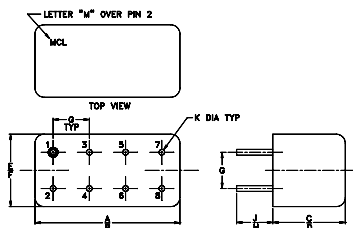


CASE STYLE: A01
PRICE: \$17.20 ea. QTY: (1-9)

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-20	20-26	37	41-200
			Stopband Typ. Passband Typ.
			17 1.5

Outline Drawing

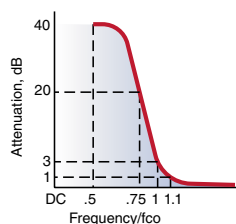


NOTE: BLUE BEAD INDICATES PIN 1.
PIN NUMBERS DO NOT APPEAR ON UNIT.
FOR REFERENCE ONLY.

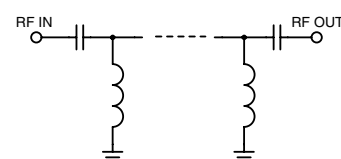
Outline Dimensions (inch)

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			
1.00	67.35	2.1	0.1	
3.00	69.22	2.0	0.1	
7.00	67.66	1.8	0.1	
11.00	69.57	1.3	0.1	
14.00	78.81	9.5	0.1	
15.00	74.91	4.7	0.1	
17.00	62.53	1.4	0.1	
18.00	59.52	3.2	0.1	
19.00	54.95	1.7	0.1	
20.00	51.14	1.0	0.1	
21.00	47.48	1.0	0.0	
22.50	42.82	0.7	0.1	
23.50	39.50	0.6	0.1	
24.00	38.04	0.5	0.1	
25.00	34.89	0.6	0.1	
26.00	31.98	0.5	0.1	
28.00	26.15	0.5	0.2	
30.00	20.49	0.5	0.4	
34.00	9.52	0.4	1.3	
36.00	4.92	0.2	3.3	
36.50	4.01	0.2	4.2	
37.00	3.25	0.2	5.2	
38.00	2.07	0.1	8.1	
39.00	1.37	0.1	12.1	
41.00	0.81	0.1	28.9	
133.50	0.19	0.1	25.4	
160.00	0.16	0.1	25.8	
173.50	0.16	0.1	25.5	
186.50	0.16	0.1	25.1	
200.00	0.16	0.1	24.7	
17.00			3.77	
18.00			4.22	
19.00			4.55	
20.00			4.91	
21.00			9.75	
22.00			12.75	
22.50			24.54	
23.00			0.69	
23.50			23.43	
24.00			13.44	
25.00			16.30	
26.00			17.22	
28.00			19.35	
29.00			21.30	
30.00			23.37	
32.00			29.87	
34.00			39.03	
36.00			49.41	
36.50			51.69	
37.00			52.35	
38.00			52.06	
39.00			47.84	
41.00			37.11	
120.50			3.01	
133.50			2.11	
147.00			2.07	
160.00			1.41	
173.50			1.04	
186.50			1.54	
200.00			1.27	

