Plug-In

High Pass Filter

PHP-25

50Ω 27.5 to 200 MHz

CASE STYLE: A01
PRICE: $19.20 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

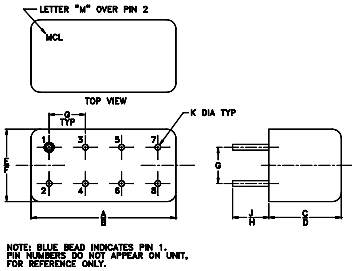
Applications

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

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-13	13-19	25	27.5-200	18	1.7

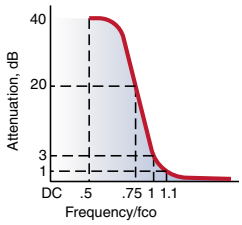
Outline Drawing



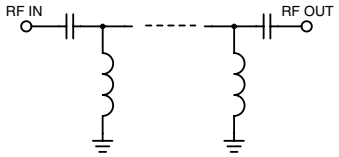
Outline Dimensions (inch / mm)

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	43.12	0.1	0.0	11.00	4.43
3.00	43.76	0.6	0.0	12.00	27.53
5.00	44.40	0.7	0.1	12.50	15.99
7.00	44.36	0.9	0.1	13.00	3.88
9.00	45.32	1.0	0.1	13.50	10.69
10.00	45.99	0.9	0.1	14.00	10.46
11.00	46.57	0.9	0.1	15.00	10.21
12.00	49.64	1.1	0.1	16.00	9.29
12.50	51.45	1.2	0.1	17.00	21.16
13.00	53.51	1.5	0.1	17.50	20.41
13.50	58.61	2.1	0.1	18.00	21.90
15.00	51.13	1.7	0.1	19.00	26.00
17.00	36.08	1.3	0.1	19.50	29.47
17.50	33.22	1.1	0.1	20.00	31.47
18.00	30.58	1.2	0.2	21.00	39.77
19.00	25.70	1.2	0.2	22.00	49.67
19.50	23.35	1.2	0.2	23.00	64.87
21.00	16.44	1.3	0.4	24.00	81.19
23.00	7.62	1.3	1.5	24.50	87.11
24.00	4.02	1.0	3.5	25.00	87.60
24.50	2.71	0.8	5.3	26.00	76.81
25.00	1.76	0.6	7.8	26.50	68.46
26.00	0.80	0.2	15.4	27.00	60.97
27.00	0.55	0.1	20.3	27.50	54.67
27.50	0.52	0.1	19.9	117.00	1.85
133.50	0.17	0.1	37.7	133.50	1.65
150.00	0.18	0.1	33.7	150.00	1.36
167.00	0.20	0.1	30.6	167.00	1.29
183.50	0.19	0.1	28.4	183.50	1.25
200.00	0.20	0.1	26.8	200.00	1.16