

Plug-In

High Pass Filter

PHP-700

50Ω 700 to 1800 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



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

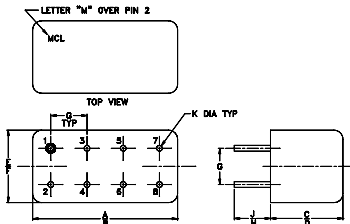
Applications

- 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)
DC-400	400-520	640	700-1800
			Stopband Typ. Passband Typ.
			17 1.6

Outline Drawing

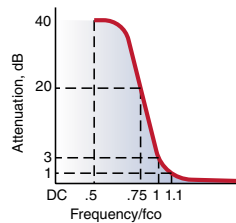


NOTE: BLUE READ INDICATES PIN 1. PIN NUMBERS DO NOT APPEAR ON UNIT, FOR REFERENCE ONLY.

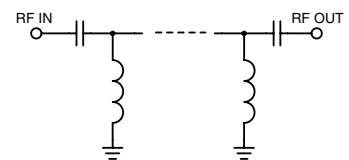
Outline Dimensions (inch/mm)

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

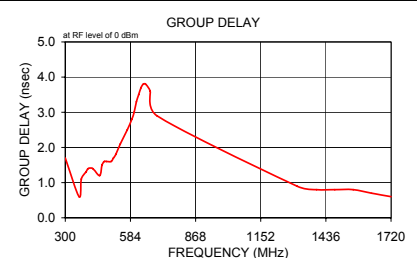
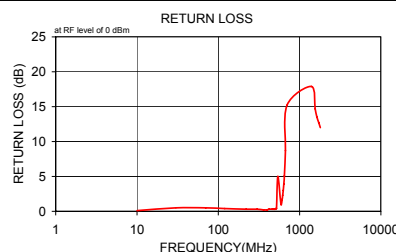
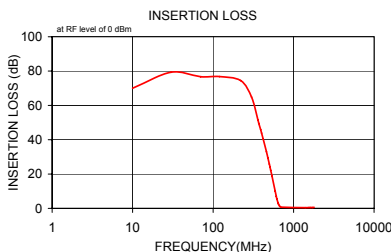


electrical schematic



Typical Performance Data

Frequency (MHz)	Insertion Loss (dB)	Return Loss (dB)	Frequency (MHz)	Group Delay (nsec)
$\bar{x}$	σ			
10.00	69.97	2.7	300.00	1.70
30.00	79.30	6.2	360.00	0.58
70.00	76.67	6.3	370.00	1.11
120.00	76.75	5.9	390.00	1.29
220.00	74.46	5.8	400.00	1.39
300.00	64.87	2.8	420.00	1.35
360.00	51.59	0.9	450.00	1.20
370.00	49.50	1.2	460.00	1.45
390.00	45.90	0.8	470.00	1.58
400.00	43.94	0.9	480.00	1.65
420.00	40.15	0.7	500.00	1.61
460.00	32.96	0.6	510.00	1.72
480.00	29.32	0.6	520.00	1.80
500.00	25.76	0.6	540.00	2.05
510.00	24.00	0.5	570.00	2.46
520.00	22.24	0.5	590.00	2.75
540.00	18.71	0.5	600.00	3.01
590.00	10.13	0.3	610.00	3.25
610.00	7.01	0.3	620.00	3.52
620.00	5.60	0.2	630.00	3.69
630.00	4.36	0.2	640.00	3.78
640.00	3.29	0.1	650.00	3.75
650.00	2.44	0.1	670.00	3.55
670.00	1.30	0.1	700.00	2.94
700.00	0.65	0.1	1310.00	0.89
1395.00	0.36	0.1	1395.00	0.85
1555.00	0.45	0.1	1475.00	0.76
1635.00	0.50	0.1	1555.00	0.78
1720.00	0.54	0.1	1635.00	0.75
1800.00	0.57	0.1	1720.00	0.65



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