

Plug-In High Pass Filter

50Ω 910 to 2100 MHz

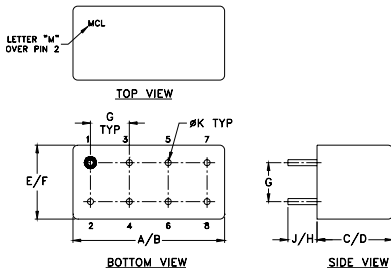
Maximum Ratings

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

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	

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

PHP-900+
PHP-900



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

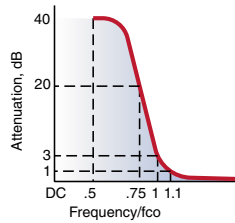
+ RoHS compliant in accordance with EU Directive (2002/95/EC)

The +Suffix identifies RoHS Compliance. See our web site for RoHS Compliance methodologies and qualifications.

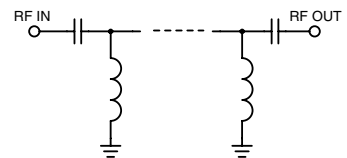
High Pass Filter Electrical Specifications

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-520	520-660	820	910-2100	17	1.8

typical frequency response

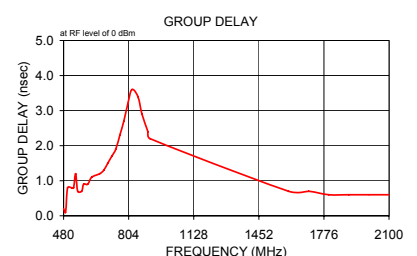
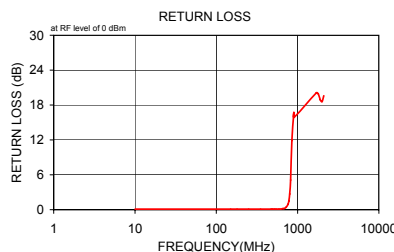


electrical schematic



Typical Performance Data

Frequency (MHz)	Insertion Loss (dB)	Return Loss (dB)	Frequency (MHz)	Group Delay (nsec)
	\bar{x}	σ		
10.00	80.42	2.0	480.00	0.20
150.00	85.02	5.3	490.00	0.10
180.00	80.96	3.8	500.00	0.83
250.00	83.18	5.7	520.00	0.82
350.00	78.61	3.6	530.00	0.82
470.00	56.26	1.2	540.00	1.17
480.00	54.59	0.9	550.00	0.66
490.00	52.88	0.8	570.00	0.72
500.00	51.14	0.9	580.00	0.93
520.00	48.03	0.9	600.00	0.88
530.00	46.30	0.8	620.00	1.07
550.00	43.21	0.7	660.00	1.19
580.00	38.53	0.8	680.00	1.29
600.00	35.53	0.7	700.00	1.50
620.00	32.52	0.7	720.00	1.65
660.00	26.48	0.7	740.00	1.90
680.00	23.41	0.7	760.00	2.26
720.00	17.21	0.7	780.00	2.70
760.00	10.84	0.6	800.00	3.21
780.00	7.78	0.5	820.00	3.57
800.00	4.95	0.3	850.00	3.36
820.00	2.78	0.1	870.00	2.88
850.00	1.06	0.1	900.00	2.38
900.00	0.61	0.1	910.00	2.20
910.00	0.60	0.1	1600.00	0.72
1700.00	0.34	0.1	1700.00	0.67
1800.00	0.35	0.1	1800.00	0.64
1900.00	0.38	0.1	1900.00	0.58
2000.00	0.39	0.1	2000.00	0.59
2100.00	0.39	0.1	2100.00	0.59



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