

Plug-In Low Pass Filter

50Ω DC to 5 MHz

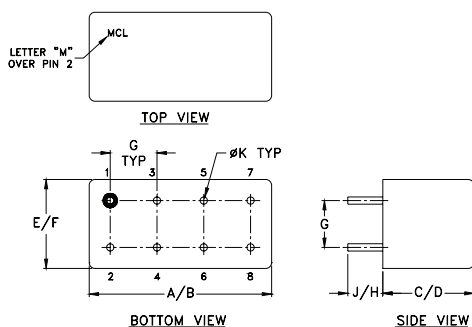
Maximum Ratings

Operating Temperature	-55°C to 100°C
Storage Temperature	-55°C to 100°C
RF Power Input	0.5W max.
Permanent damage may occur if any of these limits are exceeded.	

Pin Connections

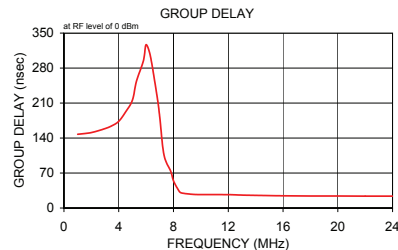
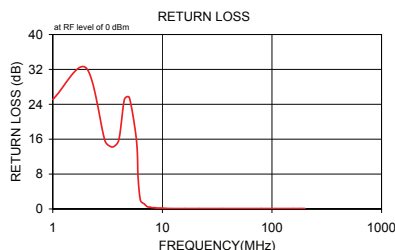
INPUT	1
OUTPUT	8
GROUND	2,3,4,5,6,7
CASE GROUND	2,3,4,5,6,7

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	



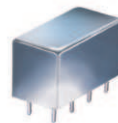
Features

- rugged welded case, hermetic
- other standard and custom PLP models available with wide selection of fco

Applications

- test equipment
- lab use
- transmitters/receivers
- military/hi-rel applications

PLP-5+



CASE STYLE: A01
PRICE: \$13.70 ea. QTY (1-9)

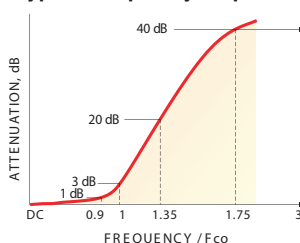
+ RoHS compliant in accordance with EU Directive (2002/95/EC)

The +Suffix has been added in order to identify RoHS Compliance. See our web site for RoHS Compliance methodologies and qualifications.

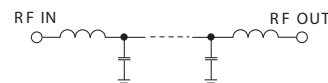
Low Pass Filter Electrical Specifications

PASSBAND (MHz)	fco (MHz) Nom.	STOPBAND (MHz)	VSWR (:1)
(loss < 1 dB)	(loss 3 dB)	(loss > 20 dB) (loss > 40 dB)	Passband Typ. Stopband Typ.
DC-5	6	8-10 10-200	1.7 18

typical frequency response



electrical schematic



Typical Performance Data

Frequency (MHz)	Insertion Loss (dB)	Return Loss (dB)	Frequency (MHz)	Group Delay (nsec)
	$\bar{x}$	σ		
1.0	0.08	0.1	1.0	147.47
2.0	0.13	0.1	2.0	150.99
3.0	0.34	0.1	3.0	158.96
3.5	0.69	0.1	3.5	164.57
4.0	0.71	0.1	4.0	173.42
4.5	0.73	0.1	4.5	192.06
5.0	0.91	0.1	5.0	215.98
5.8	2.41	0.7	5.3	253.98
6.0	3.35	0.8	5.8	294.32
6.3	9.49	1.3	6.0	326.82
6.8	11.67	1.1	6.3	305.70
7.0	16.87	1.2	6.8	223.89
7.3	23.49	1.1	7.0	180.77
7.8	29.30	1.0	7.3	106.74
8.0	34.55	1.0	7.8	73.25
8.3	39.27	1.0	8.0	54.49
8.5	41.68	1.1	8.3	38.64
8.8	42.05	1.1	8.5	31.12
9.0	42.44	1.1	8.8	29.13
9.5	43.73	1.1	9.0	28.46
10.0	47.90	1.1	9.5	27.23
12.0	63.04	1.6	10.0	26.91
16.0	75.52	4.1	12.0	26.68
22.0	75.62	9.9	13.0	25.95
35.0	74.63	3.9	14.0	25.34
80.0	77.85	6.6	16.0	24.48
156.0	81.35	8.6	18.0	24.08
178.0	75.08	2.3	20.0	24.00
189.0	77.64	6.8	22.0	23.82
200.0	78.15	5.2	24.0	23.72

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