

Plug-In Low Pass Filter

PLP-1.9+

50Ω DC to 1.9 MHz

Maximum Ratings

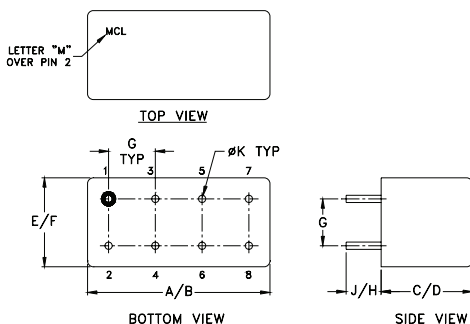
Operating Temperature	-55°C to 100°C
Storage Temperature	-55°C to 100°C
RF Power Input	0.5W max.

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)

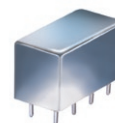
A	B	C	D	E	F
.770	.800	.385	.400	.370	.400
19.56	20.32	9.78	10.16	9.40	10.16
G	H	J	K	wt	
.200	.20	.14	.031	grams	
5.08	5.08	3.56	0.79	5.2	

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



CASE STYLE: A01
PRICE: \$16.20 ea. QTY (1-9)

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

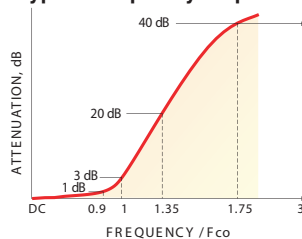
The +Suffix has been added in order to identify RoHS Compliance. See our web site for RoHS Compliance methodologies and qualifications.

Low Pass Filter Electrical Specifications

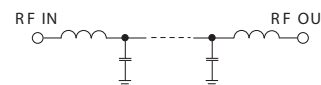
PASSBAND (MHz)	fco (MHz) Nom.	STOPBAND (MHz)		VSWR (:1)	
		(loss > 20 dB)	(loss > 40 dB)	Passband Typ.	Stopband Typ.
DC-1.9	2.5	3.4-4.7	4.7-200	1.7	18

1 dB compression at +13 dBm input power

typical frequency response

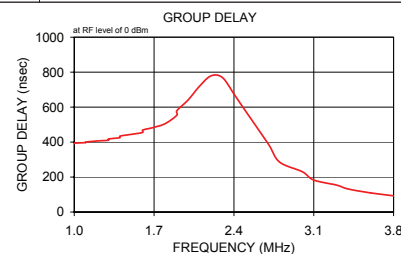
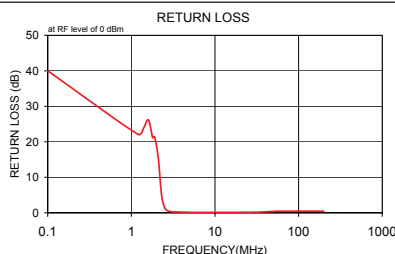


electrical schematic



Typical Performance Data

Frequency (MHz)	Insertion Loss (dB)		Return Loss (dB)	Frequency (MHz)	Group Delay (nsec)
	\bar{x}	σ			
0.10	0.09	0.01	40.00	1.00	390.94
1.20	0.24	0.02	22.11	1.00	393.92
1.40	0.26	0.01	23.88	1.10	397.21
1.60	0.31	0.01	26.19	1.10	400.27
1.80	0.40	0.02	21.19	1.20	406.34
1.90	0.45	0.02	21.37	1.30	410.76
2.10	0.75	0.12	15.39	1.30	417.77
2.30	2.93	0.75	5.05	1.40	425.39
2.50	8.32	1.21	1.43	1.40	434.33
2.70	14.69	1.17	0.59	1.50	444.37
2.80	17.71	1.12	0.45	1.60	455.27
3.00	23.30	1.01	0.32	1.60	468.79
3.10	25.89	0.96	0.29	1.70	484.50
3.30	30.68	0.90	0.24	1.80	506.65
3.40	32.92	0.87	0.22	1.90	554.15
3.60	37.12	0.84	0.20	1.90	579.78
3.80	41.00	0.81	0.18	2.00	642.41
4.00	44.61	0.79	0.17	2.10	720.76
4.30	49.67	0.81	0.15	2.20	779.41
4.50	52.78	0.80	0.14	2.30	768.87
4.70	55.74	0.88	0.13	2.40	675.19
5.00	60.00	0.86	0.11	2.50	579.64
29.40	92.50	4.17	0.17	2.70	390.84
53.80	91.19	3.63	0.42	2.80	286.22
78.10	92.39	2.10	0.45	3.00	230.56
102.50	87.80	2.75	0.46	3.10	182.81
126.90	89.05	3.87	0.47	3.30	153.96
151.30	87.17	2.60	0.46	3.40	132.22
175.60	92.87	7.14	0.44	3.60	109.19
200.00	86.82	4.04	0.44	3.80	92.80



Mini-Circuits
ISO 9001 ISO 14001 AS 9100 CERTIFIED

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IF/RF MICROWAVE COMPONENTS

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