

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

HT-PLP-1.9+



50Ω DC to 1.9 MHz

Low Pass Filter Electrical Specifications (T_{AMB}= 25°C)

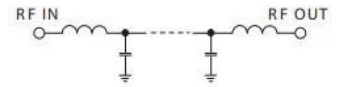
PASSBAND (MHz)	fco (MHz) Nom.	STOPBAND (MHz)		VSWR (:1)	
		(Loss>20dB)	(Loss>40dB)	Passband Typ.	Stopband Typ.
(loss < 1 dB)	(loss 3 dB)				
DC-1.9	2.5	3.4-4.7	4.7-200	1.7	18

Maximum Ratings

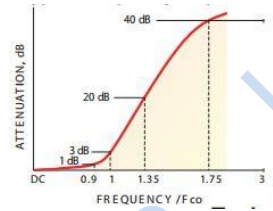
Operating Temperature	-55°C to 100°C
Storage Temperature	-55°C to 100°C
RF Power Input*	0.5W max.

Permanent damage may occur if any of these limits are exceeded.

electrical schematic



typical frequency response



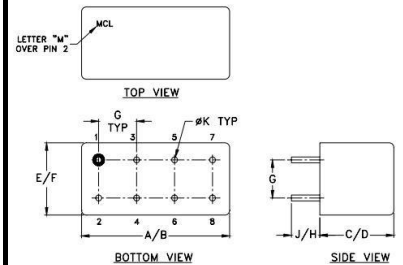
Typical Performance Data at 25°C

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

Pad Connections

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

Outline Drawing



Outline Dimensions: Unit (mm)

A	19.56	B	20.32	C	9.78
D	10.16	E	9.40	F	10.16
G	5.08	H	5.08	J	3.56
K	0.79	wt			5.2

