Plug-In

Low Pass Filter

PLP-850+

50Ω DC to 780 MHz

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.

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

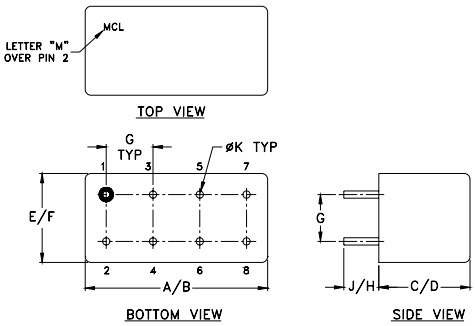
Features

- 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

Outline Drawing



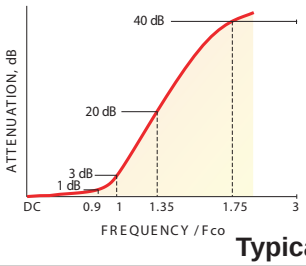
Outline Dimensions (inch / mm)

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

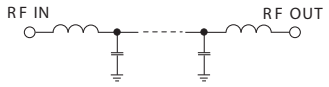
Low Pass Filter Electrical Specifications

PASSBAND (MHz)	fco (MHz) Nom.	STOPBAND (MHz)		VSWR (:1)	
				Passband Typ.	Stopband Typ.
(loss < 1 dB)	(loss 3 dB)	(loss > 20 dB)	(loss > 40 dB)		
DC-780	850	1100-1400	1400-2000	1.7	18

typical frequency response



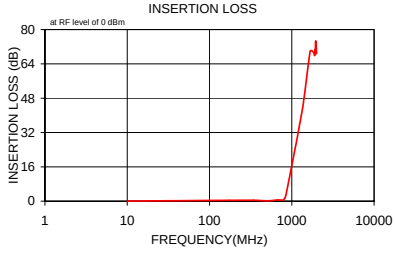
electrical schematic



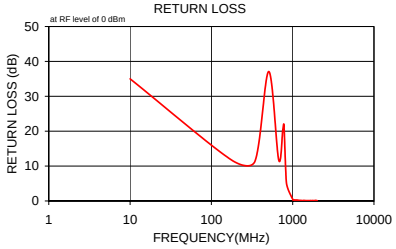
Typical Performance Data

Frequency (MHz)	Insertion Loss (dB) x̄	Insertion Loss (dB) σ	Return Loss (dB)	Frequency (MHz)	Group Delay (nsec)
10.00	0.02	0.1	35.0	10.0	1.00
175.00	0.38	0.1	11.8	92.5	1.05
342.50	0.44	0.1	11.3	175.0	0.94
507.50	0.18	0.1	37.1	257.5	0.95
672.50	0.57	0.1	11.8	342.5	0.97
755.00	0.43	0.1	20.2	425.0	1.22
780.00	0.40	0.1	21.9	507.5	1.35
820.00	1.33	0.6	9.1	590.0	1.40
850.00	3.00	0.9	4.4	672.5	1.38
1010.00	17.47	1.1	0.3	755.0	1.85
1030.00	19.18	1.1	0.2	780.0	2.23
1050.00	20.83	1.1	0.2	790.0	2.22
1060.00	21.63	1.1	0.2	820.0	2.55
1070.00	22.41	1.1	0.2	840.0	2.57
1100.00	24.70	1.1	0.2	850.0	2.36
1110.00	25.52	1.1	0.2	1010.0	0.99
1150.00	28.51	1.2	0.2	1020.0	0.92
1350.00	43.25	1.6	0.1	1030.0	0.88
1360.00	44.10	1.9	0.1	1050.0	0.78
1380.00	45.39	1.8	0.1	1060.0	0.75
1400.00	47.43	2.2	0.1	1070.0	0.80
1420.00	48.89	2.1	0.1	1100.0	0.84
1667.50	69.86	3.1	0.1	1110.0	0.70
1750.00	70.13	6.6	0.1	1120.0	0.70
1835.00	69.30	4.7	0.1	1150.0	0.69
1900.00	67.90	2.7	0.1	1300.0	0.45
1920.00	70.63	3.5	0.1	1350.0	0.02
1930.00	69.67	2.6	0.1	1360.0	0.24
1950.00	74.71	7.2	0.1	1380.0	0.48
2000.00	68.74	4.9	0.1	1400.0	0.05

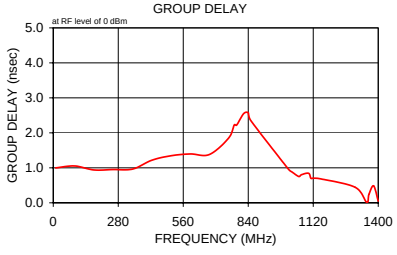
INSERTION LOSS



RETURN LOSS



GROUP DELAY



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PLP-850+
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