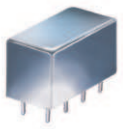
Plug-In

Low Pass Filter

PLP-100-75

75Ω DC to 98 MHz



CASE STYLE: A01
PRICE: $15.20 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.

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

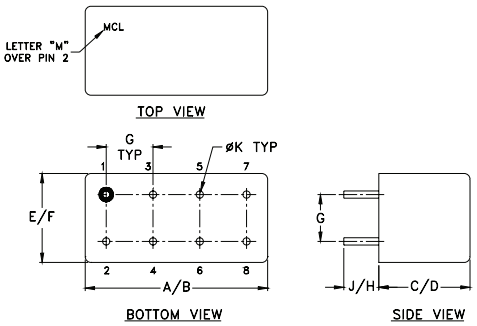
Features

- 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



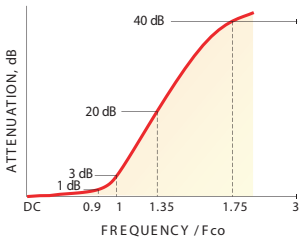
Outline Dimensions (inch / mm)

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

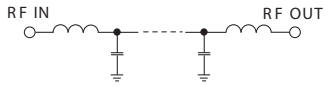
Low Pass Filter Electrical Specifications

PASSBAND (MHz)	fco (MHz) Nom.	STOPBAND (MHz)		VSWR (:1)	
				Passband	Stopband
(loss < 1 dB)	(loss 3 dB)	(loss > 20 dB)	(loss > 40 dB)	Typ.	Typ.
DC-98	108	146-189	189-400	1.7	18

typical frequency response



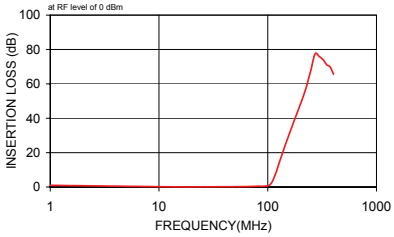
electrical schematic



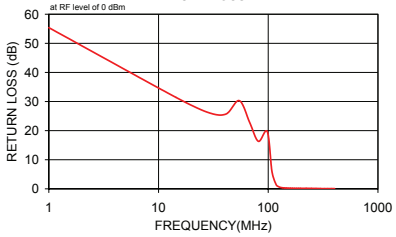
Typical Performance Data

Frequency (MHz)	Insertion Loss (dB) x̄	Insertion Loss (dB) σ	Return Loss (dB)	Frequency (MHz)	Group Delay (nsec)
1.00	1.00	0.00	55.39	2.00	8.34
14.40	0.09	0.00	31.44	2.34	7.84
27.80	0.14	0.00	26.34	2.73	7.56
41.10	0.18	0.01	25.69	3.19	7.79
54.50	0.22	0.01	30.30	3.72	7.62
67.90	0.29	0.01	22.73	4.34	7.59
81.30	0.45	0.04	16.35	5.07	7.61
98.00	0.62	0.07	19.63	5.91	7.74
108.00	2.25	0.40	6.07	6.90	7.59
118.00	7.71	0.73	1.47	8.05	7.58
123.60	11.47	0.75	0.78	9.39	7.69
129.20	15.15	0.72	0.50	10.96	7.75
134.80	18.64	0.71	0.37	12.94	7.74
140.40	21.90	0.69	0.30	15.10	7.71
146.00	24.97	0.68	0.26	17.83	7.72
151.60	27.86	0.69	0.23	20.81	7.74
159.10	31.52	0.70	0.21	24.57	7.77
166.60	34.94	0.73	0.19	28.67	7.76
174.00	38.15	0.75	0.18	33.85	7.90
181.50	41.21	0.85	0.18	39.50	8.02
189.00	44.21	0.98	0.17	46.64	8.21
196.50	47.04	1.03	0.17	54.43	8.54
221.90	56.41	1.79	0.16	64.27	9.03
247.40	67.24	4.43	0.14	75.00	9.68
272.80	77.49	6.61	0.11	88.56	11.21
298.30	75.88	6.64	0.10	98.00	14.05
323.70	73.99	6.37	0.08	108.00	16.77
349.10	71.06	5.19	0.08	146.00	4.66
374.60	69.94	3.57	0.08	189.00	2.25
403.00	65.59	2.49	0.08	196.20	2.29

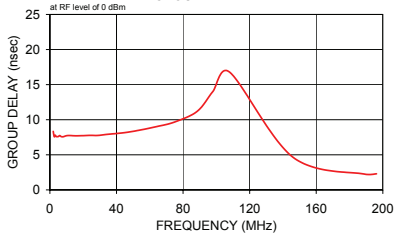
INSERTION LOSS



RETURN LOSS



GROUP DELAY



For detailed performance specs & shopping online see web site

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