

Plug-In Low Pass Filter

PLP-600-75+

75Ω DC to 580 MHz

Maximum Ratings

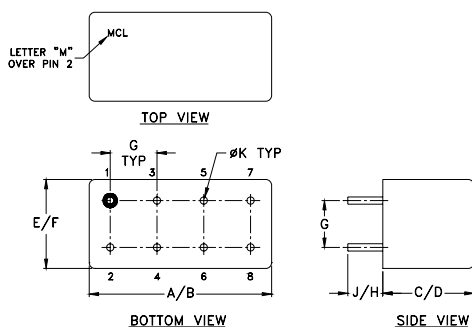
Operating Temperature	-55°C to 100°C
Storage Temperature	-55°C to 100°C
RF Power Input	0.5W max.

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)

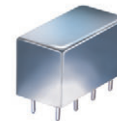
A	B	C	D	E	F
.770	.800	.385	.400	.370	.400
19.56	20.32	9.78	10.16	9.40	10.16
G	H	J	K	wt	
.200	.20	.14	.031	grams	
5.08	5.08	3.56	0.79	5.2	

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: \$15.20 ea. QTY (1-9)

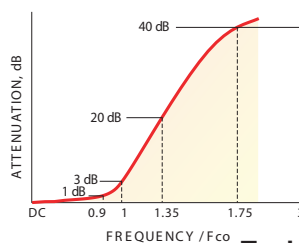
+ RoHS compliant in accordance with EU Directive (2002/95/EC)

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

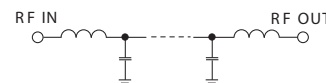
Low Pass Filter Electrical Specifications

PASSBAND (MHz)	fco (MHz) Nom.	STOPBAND (MHz)		VSWR (:1)	
		(loss > 20 dB)	(loss > 40 dB)	Passband Typ.	Stopband Typ.
DC-580	640	840-1120	1120-2000	1.7	18

typical frequency response

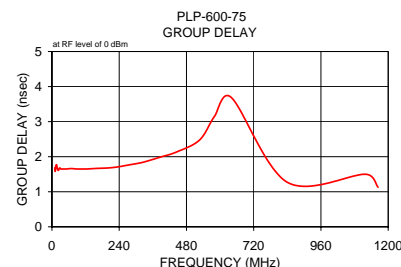
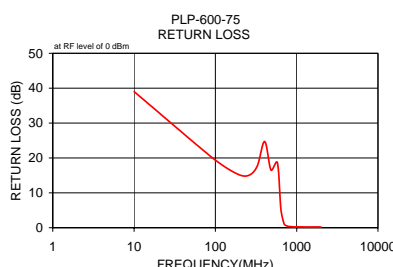
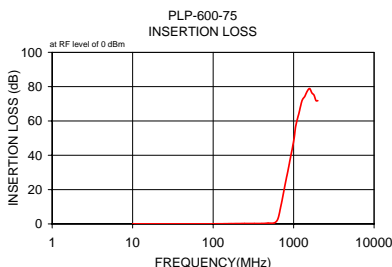


electrical schematic



Typical Performance Data

Frequency (MHz)	Insertion Loss (dB)		Return Loss (dB)	Frequency (MHz)	Group Delay (nsec)
	\bar{x}	σ			
10.00	0.03	0.01	39.03	10.00	1.68
88.80	0.06	0.02	20.33	11.91	1.58
167.50	0.17	0.03	15.95	14.07	1.73
246.30	0.23	0.02	14.87	16.62	1.77
325.00	0.24	0.02	17.52	19.64	1.66
403.80	0.23	0.04	24.71	23.20	1.61
482.50	0.45	0.10	16.54	27.40	1.68
580.00	0.67	0.11	18.62	32.00	1.65
640.00	3.15	1.32	5.36	38.24	1.65
700.00	11.10	2.40	1.10	45.17	1.65
728.00	15.12	2.59	0.69	53.36	1.65
756.00	19.01	2.76	0.52	63.04	1.66
784.00	22.88	2.93	0.40	74.46	1.66
812.00	26.53	3.06	0.34	87.96	1.65
840.00	29.84	3.26	0.32	103.91	1.65
868.00	33.13	3.50	0.28	122.75	1.65
918.40	39.24	4.03	0.25	145.00	1.66
968.80	44.53	4.60	0.23	171.29	1.67
1019.20	50.42	5.97	0.22	202.35	1.68
1059.60	56.66	9.07	0.22	235.74	1.71
1120.00	61.58	9.70	0.22	278.48	1.77
1170.00	64.81	7.30	0.22	324.43	1.84
1273.80	71.86	7.17	0.21	383.24	1.98
1377.50	74.32	4.38	0.21	446.48	2.14
1481.30	77.46	5.00	0.21	527.43	2.48
1585.00	78.86	4.18	0.21	580.00	3.15
1688.80	76.30	5.08	0.21	640.00	3.69
1792.50	75.09	5.40	0.20	840.00	1.27
1896.30	71.89	4.47	0.20	1120.00	1.50
2000.00	71.83	6.46	0.19	1163.76	1.13



Mini-Circuits
ISO 9001 ISO 14001 AS 9100 CERTIFIED

P.O. Box 350166, Brooklyn, New York 11235-0003 (718) 934-4500 Fax (718) 332-4661 The Design Engineers Search Engine Provides ACTUAL Data Instantly at minicircuits.com

IF/RF MICROWAVE COMPONENTS

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