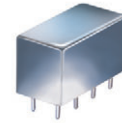


Low Pass Filter

PLP-450+

50Ω

DC to 400 MHz



CASE STYLE: A01
PRICE: \$13.70 ea. QTY (1-9)

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

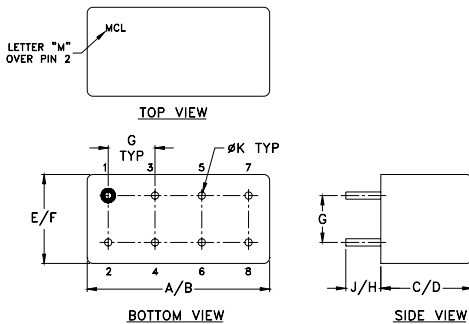
+ RoHS compliant in accordance with EU Directive (2002/95/EC)

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

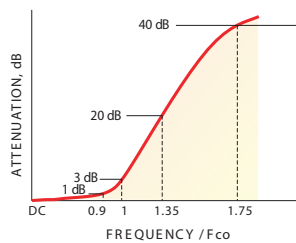
Low Pass Filter Electrical Specifications

PASSBAND (MHz)	fco (MHz) Nom.	STOPBAND (MHz)		VSWR (:1)	
		(loss > 20 dB)	(loss > 40 dB)	Passband Typ.	Stopband Typ.
DC-400	440	580-750	750-1800	1.7	18

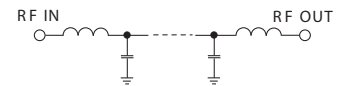
Outline Drawing



typical frequency response



electrical schematic

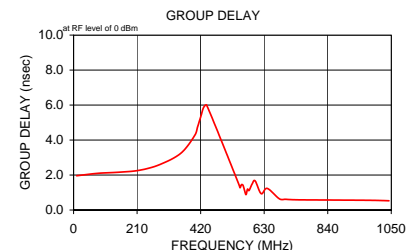
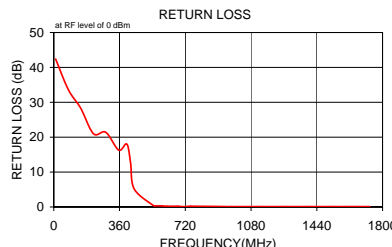
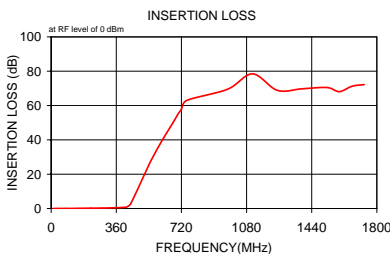


Outline Dimensions (inch/mm)

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	

Typical Performance Data

Frequency (MHz)	Insertion Loss (dB)		Return Loss (dB)	Frequency (MHz)	Group Delay (nsec)
	\bar{x}	σ			
10.00	0.02	0.1	42.4	10.00	1.96
80.00	0.06	0.1	33.6	80.00	2.10
147.50	0.10	0.1	28.3	147.50	2.16
217.50	0.19	0.1	21.0	217.50	2.27
285.00	0.25	0.1	21.4	285.00	2.60
355.00	0.46	0.1	16.3	355.00	3.25
400.00	0.63	0.1	18.0	400.00	4.26
420.00	1.01	0.1	12.8	410.00	4.76
440.00	2.84	0.2	5.2	420.00	5.32
545.00	26.52	0.9	0.4	430.00	5.87
555.00	28.57	0.9	0.3	440.00	5.99
565.00	30.55	1.0	0.3	545.00	1.52
570.00	31.51	1.0	0.3	550.00	1.28
575.00	32.52	1.0	0.3	555.00	1.45
580.00	33.47	1.0	0.3	560.00	1.42
590.00	35.44	1.0	0.3	565.00	1.12
620.00	40.86	1.1	0.2	570.00	0.88
680.00	51.19	1.6	0.2	575.00	1.20
700.00	54.79	1.8	0.1	580.00	1.11
720.06	57.91	1.2	0.1	590.00	1.48
750.00	62.99	2.7	0.2	600.00	1.67
975.00	69.53	2.1	0.1	620.00	0.93
1112.50	78.46	9.9	0.1	640.00	1.24
1250.00	68.87	2.9	0.1	680.00	0.64
1387.50	69.76	8.2	0.1	700.00	0.62
1525.00	70.50	5.6	0.1	720.00	0.59
1592.50	68.09	0.9	0.1	750.00	0.58
1662.50	71.23	4.9	0.1	975.00	0.56
1730.00	72.22	6.0	0.1	1042.50	0.53
1800.00	67.80	4.1	0.1	1112.50	0.52



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IF/RF MICROWAVE COMPONENTS

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