

Low Pass Filter

PLP-30+ PLP-30

50Ω DC to 32 MHz

Maximum Ratings

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

Pin Connections

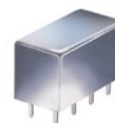
INPUT	1
OUTPUT	8
GROUND	2,3,4,5,6,7
CASE GROUND	2,3,4,5,6,7
DEMO BOARD	TB-305

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: \$13.70 ea. QTY (1-9)

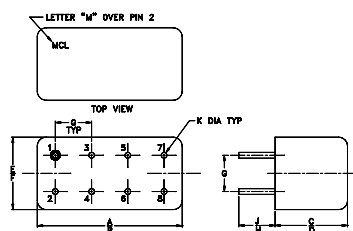
+ RoHS compliant in accordance with EU Directive (2002/95/EC)

The +Suffix identifies RoHS Compliance. See our web site for RoHS Compliance methodologies and qualifications.

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-32	35	47-61	61-200	1.7	18

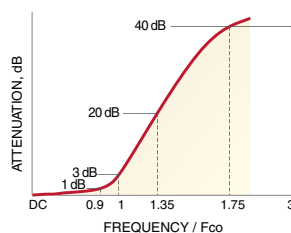
Outline Drawing



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

typical frequency response



electrical schematic



Typical Performance Data

Frequency (MHz)	Insertion Loss (dB)		Return Loss (dB)	Frequency (MHz)	Group Delay (nsec)
	$\bar{x}$	σ			
1.00	0.07	0.1	45.8	1.00	23.20
10.00	0.21	0.1	23.5	10.00	23.47
19.00	0.29	0.1	18.2	19.00	26.06
28.00	0.37	0.1	20.4	28.00	32.45
31.00	0.48	0.1	28.1	31.00	41.59
32.00	0.55	0.1	21.8	32.00	45.56
33.50	0.62	0.1	18.8	33.50	48.79
34.00	0.76	0.1	16.1	34.00	51.33
35.00	1.30	0.3	9.9	35.00	56.96
38.00	6.09	0.9	2.1	38.00	47.73
40.00	10.78	0.9	0.9	39.00	39.87
43.00	17.56	0.8	0.4	40.00	32.35
45.00	21.65	0.7	0.3	42.00	23.79
46.00	23.56	0.7	0.3	43.00	19.72
47.00	25.39	0.7	0.2	44.00	17.97
48.00	27.19	0.7	0.2	45.00	15.87
50.00	30.58	0.6	0.2	46.00	14.29
55.00	38.32	0.6	0.1	47.00	12.98
59.00	43.69	0.7	0.2	48.00	12.68
60.00	45.01	0.7	0.1	49.00	10.48
61.00	46.27	0.5	0.1	50.00	11.50
91.50	76.88	4.1	0.1	52.00	7.62
109.50	80.77	5.3	0.1	55.00	4.41
127.50	79.89	2.8	0.1	58.00	4.04
145.50	77.20	3.0	0.1	59.00	7.93
164.00	74.52	3.4	0.1	60.00	1.04
173.00	74.92	3.8	0.1	61.00	0.99
182.00	78.05	5.9	0.1	91.50	0.88
191.00	79.62	6.8	0.1	100.50	0.79
200.00	80.65	6.9	0.1	109.50	0.75

