

Low Pass Filter

PLP-70-75+

75Ω DC to 60 MHz



CASE STYLE: A01

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

Application

- test equipment
- lab use
- transmitters / receivers
- military / hi-rel applications

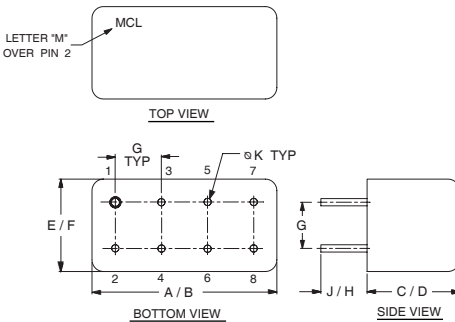
+RoHS Compliant

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 > 20dB)	(Loss > 40dB)	Passband Typ.	Stopband Typ.
DC - 60	67	90 - 117	117 - 300	1.7	18

Outline Drawing

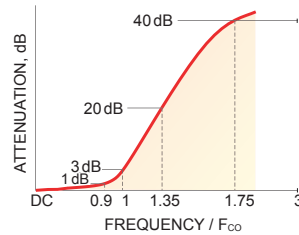


Outline Dimensions (inch/mm)

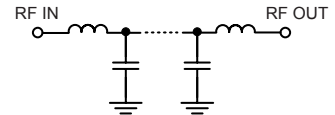
A	B	C	D	E	F
.770	.800	.385	.400	.370	.400
19.56	20.32	9.78	10.16	9.40	10.16

G	H	J	K	wt
.200	.20	.14	.031	grams
5.08	5.08	3.56	0.79	5.2

typical frequency response

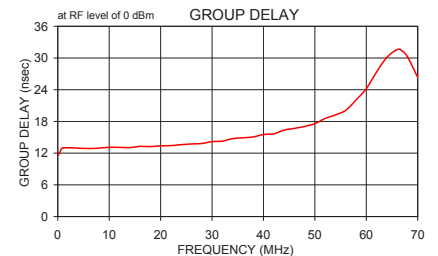
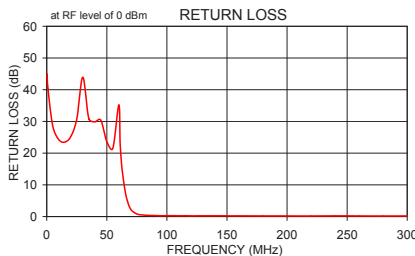


functional schematic



Typical Performance Data

Frequency (MHz)	Insertion Loss (dB)		Return Loss (dB)	Frequency (MHz)	Group Delay (nsec)
	\bar{x}	σ			
0.3	0.03	0.01	45.0	0.03	11.61
20.0	0.14	0.01	25.2	0.10	11.65
30.0	0.15	0.02	43.9	0.50	12.30
40.0	0.21	0.01	29.9	1.00	13.01
50.0	0.30	0.04	23.7	5.00	12.91
60.0	0.51	0.01	35.2	10.00	13.10
65.0	1.57	0.07	8.6	14.00	13.05
67.0	2.88	0.12	5.1	18.00	13.25
70.0	5.97	0.25	2.3	20.00	13.38
73.0	9.70	0.38	1.2	24.00	13.60
78.0	15.96	0.49	0.6	28.00	13.83
90.0	28.56	0.59	0.3	30.00	14.18
100.0	37.15	0.60	0.3	34.00	14.75
117.0	49.54	0.82	0.3	40.00	15.52
130.0	57.97	1.05	0.3	44.00	16.36
150.0	72.42	5.81	0.2	50.00	17.58
200.0	70.56	4.01	0.2	54.00	19.24
230.0	72.86	4.55	0.2	60.00	24.20
250.0	71.15	4.01	0.2	64.00	30.11
280.0	69.45	3.26	0.2	67.00	31.33
300.0	71.40	3.31	0.2	70.00	26.32



Notes

- Performance and quality attributes and conditions not expressly stated in this specification document are intended to be excluded and do not form a part of this specification document.
- Electrical specifications and performance data contained in this specification document are based on Mini-Circuit's applicable established test performance criteria and measurement instructions.
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