

Plug-In

Low Pass Filter

50Ω DC to 60 MHz

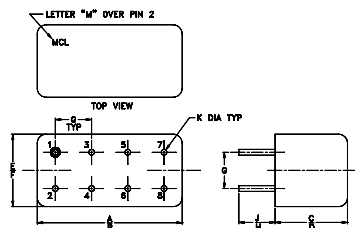
Maximum Ratings

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

Pin Connections

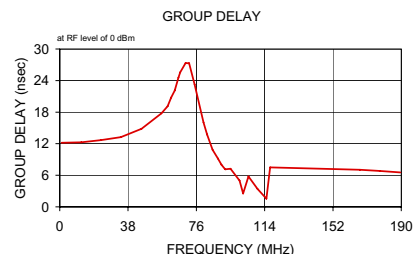
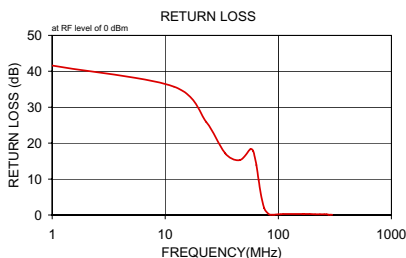
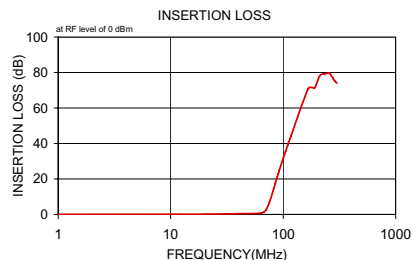
INPUT	1
OUTPUT	8
GROUND	2,3,4,5,6,7
CASE GROUND	2,3,4,5,6,7
DEMO BOARD	TB-305

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

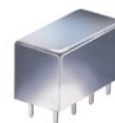


Features

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

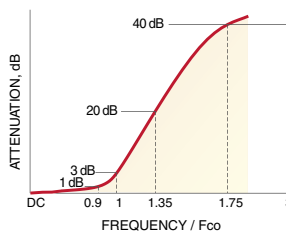
+ RoHS compliant in accordance with EU Directive (2002/95/EC)

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

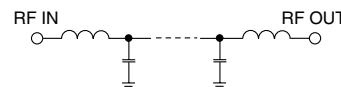
Low Pass Filter Electrical Specifications

PASSBAND (MHz)	fco (MHz) Nom.	STOPBAND (MHz)	VSWR (:1)
(loss < 1 dB)	(loss 3 dB)	(loss > 20 dB) (loss > 40 dB)	Passband Typ. Stopband Typ.
DC-60	67	90-117 117-300	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			
1.00	0.02	0.1	1.00	12.18
12.00	0.09	0.1	12.00	12.27
23.00	0.14	0.1	23.00	12.70
34.00	0.30	0.1	34.00	13.24
45.50	0.38	0.1	45.50	14.84
56.50	0.48	0.1	56.50	17.75
60.00	0.57	0.1	60.00	19.13
64.00	0.81	0.1	62.00	20.78
67.00	1.27	0.2	64.00	22.11
70.00	2.40	0.5	66.00	24.56
75.00	6.44	0.7	67.00	25.58
82.00	14.32	0.6	70.00	27.33
85.00	17.61	0.6	72.00	27.29
88.00	20.73	0.5	75.00	23.25
90.00	22.72	0.5	80.00	16.05
92.00	24.63	0.4	82.00	13.76
100.00	31.63	0.3	85.00	10.85
105.00	35.63	0.3	88.00	9.20
110.00	39.22	0.3	90.00	8.00
115.00	42.79	0.3	92.00	7.14
117.00	44.09	0.3	95.00	7.25
167.00	71.03	2.8	100.00	4.98
189.50	71.25	4.9	102.00	2.55
211.50	78.21	8.2	105.00	5.78
233.50	79.29	6.9	110.00	3.41
255.50	79.68	7.6	115.00	1.56
267.00	78.34	9.9	117.00	7.50
278.00	76.60	3.1	167.00	7.04
289.00	75.01	2.8	178.00	6.83
300.00	74.09	4.1	189.50	6.54



INTERNET <http://www.minicircuits.com>

P.O. Box 350166, Brooklyn, New York 11235-0003 (718) 934-4500 Fax (718) 332-4661
Distribution Centers NORTH AMERICA 800-654-7949 • 417-335-5935 • Fax 417-335-5945 • EUROPE 44-1252-832600 • Fax 44-1252-837010

Mini-Circuits ISO 9001 & ISO 14001 Certified

REV. A
M98898
PLP-70
060711