

Low Pass Filter

75Ω DC to 48 MHz

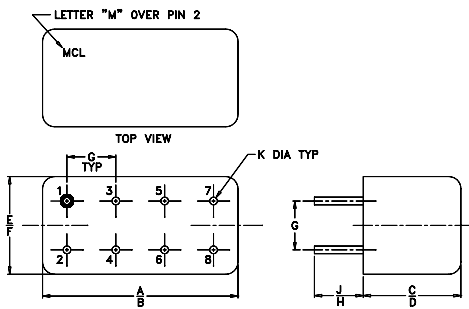
Maximum Ratings

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)

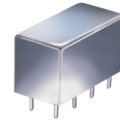
A	B	C	D	E	F
.770	.800	.385	.400	.370	.400
19.56	20.32	9.78	10.16	9.40	10.16
G	H	J	K	wt	
.200	.20	.14	.031	grams	
5.08	5.08	3.56	0.79	5.2	

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

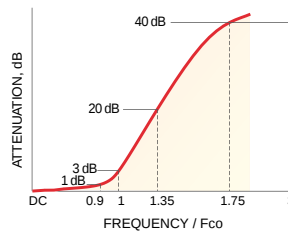
+ RoHS compliant in accordance with EU Directive (2002/95/EC)

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

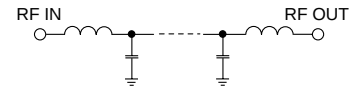
Low Pass Filter Electrical Specifications

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-48	55	70-90 90-200	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	0.01	0.00	1.00	16.76
7.80	0.08	0.00	1.17	17.94
14.50	0.12	0.01	1.37	16.55
21.30	0.14	0.01	1.59	16.64
28.00	0.19	0.01	1.86	16.96
34.80	0.27	0.02	2.17	16.16
41.50	0.48	0.03	2.53	16.75
48.00	0.63	0.04	2.95	16.20
55.00	3.81	0.50	3.45	16.18
62.00	14.53	0.69	4.02	16.52
63.60	16.91	0.68	4.69	16.48
65.20	19.16	0.69	5.47	16.26
66.80	21.32	0.68	6.38	16.76
68.40	23.37	0.68	7.53	16.62
70.00	25.32	0.68	8.78	16.58
71.60	27.20	0.68	10.36	16.64
75.30	31.26	0.69	12.08	16.61
79.00	35.00	0.70	14.25	16.83
82.60	38.35	0.70	16.63	17.06
86.30	41.53	0.76	19.61	17.35
90.00	44.62	0.79	22.88	17.79
93.70	47.42	0.86	26.98	18.37
107.00	56.64	1.34	31.48	19.30
120.30	64.18	2.20	37.13	20.94
133.60	72.29	3.53	43.31	23.52
146.90	77.99	7.23	48.00	29.12
160.10	81.98	4.24	55.00	36.74
173.40	84.80	2.33	70.00	8.86
186.70	84.07	3.68	90.00	3.63
200.00	83.20	6.05	96.73	3.25

