

Low Pass Filter

75Ω DC to 98 MHz

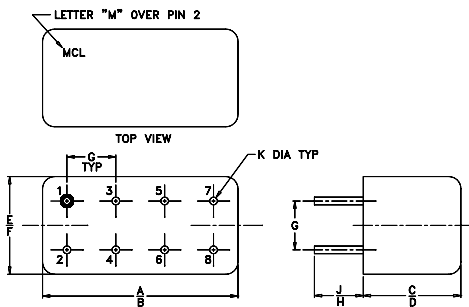
Maximum Ratings

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

Pin Connections

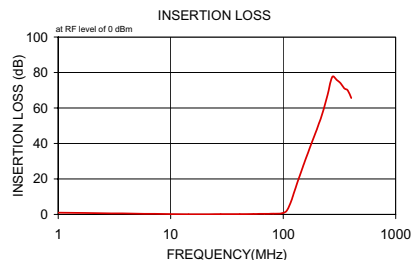
INPUT	1
OUTPUT	8
GROUND	2,3,4,5,6,7
CASE GROUND	2,3,4,5,6,7
DEMO BOARD	TB-305

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	

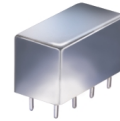


Features

- 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)

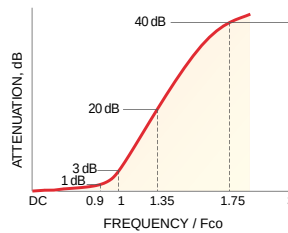
+ RoHS compliant in accordance with EU Directive (2002/95/EC)

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

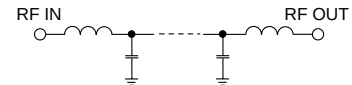
Low Pass Filter Electrical Specifications

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-98	108	146-189 189-400	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	1.00	0.00	2.00	8.34
14.40	0.09	0.00	2.34	7.84
27.80	0.14	0.00	2.73	7.56
41.10	0.18	0.01	3.19	7.79
54.50	0.22	0.01	3.72	7.62
67.90	0.29	0.01	4.34	7.59
81.30	0.45	0.04	5.07	7.61
98.00	0.62	0.07	5.91	7.74
108.00	2.25	0.40	6.90	7.59
118.00	7.71	0.73	8.05	7.58
123.60	11.47	0.75	9.39	7.69
129.20	15.15	0.72	10.96	7.75
134.80	18.64	0.71	12.94	7.74
140.40	21.90	0.69	15.10	7.71
146.00	24.97	0.68	17.83	7.72
151.60	27.86	0.69	20.81	7.74
159.10	31.52	0.70	24.57	7.77
166.60	34.94	0.73	28.67	7.76
174.00	38.15	0.75	33.85	7.90
181.50	41.21	0.85	39.50	8.02
189.00	44.21	0.98	46.64	8.21
196.50	47.04	1.03	54.43	8.54
221.90	56.41	1.79	64.27	9.03
247.40	67.24	4.43	75.00	9.68
272.80	77.49	6.61	88.56	11.21
298.30	75.88	6.64	98.00	14.05
323.70	73.99	6.37	108.00	16.77
349.10	71.06	5.19	146.00	4.66
374.60	69.94	3.57	189.00	2.25
403.00	65.59	2.49	196.20	2.29

