

Low Pass Filter

50Ω DC to 15 MHz

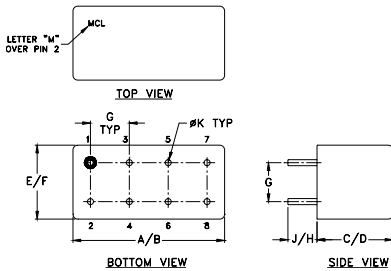
Maximum Ratings

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

Pin Connections

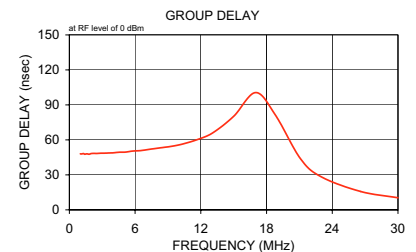
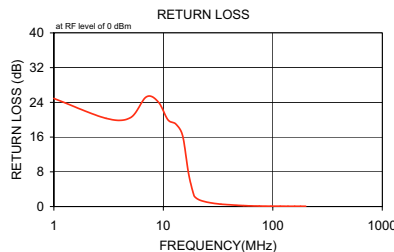
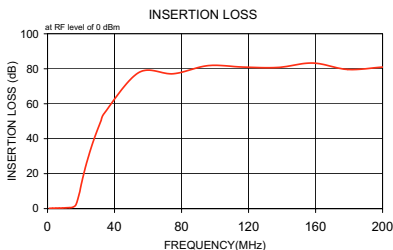
INPUT	1
OUTPUT	8
GROUND	2,3,4,5,6,7
CASE GROUND	2,3,4,5,6,7
DEMO BOARD	TB-305

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

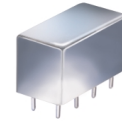


Features

- 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)

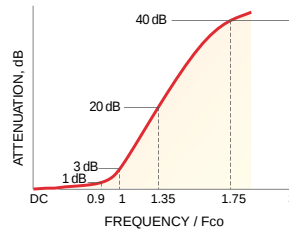
+ RoHS compliant in accordance with EU Directive (2002/95/EC)

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

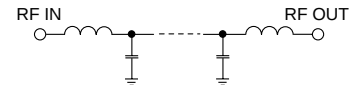
Low Pass Filter Electrical Specifications

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-15	17	23-32 32-200	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	0.21	0.04	1.00	48.07
3.00	0.26	0.04	1.10	47.91
5.00	0.30	0.04	1.30	48.21
7.00	0.33	0.05	1.40	47.67
9.00	0.38	0.05	1.60	48.07
11.00	0.47	0.07	1.80	47.68
13.00	0.58	0.07	2.00	48.30
15.00	0.81	0.06	2.30	48.44
17.00	2.32	0.37	2.50	48.37
19.00	8.82	0.63	2.63	48.63
19.80	12.25	0.57	2.04	48.63
20.60	15.66	0.53	1.72	48.80
21.40	18.93	0.50	1.51	48.88
22.20	22.02	0.48	1.36	49.48
23.00	24.94	0.48	1.25	49.49
23.80	27.72	0.47	1.15	50.43
25.40	32.87	0.50	0.99	50.77
27.10	37.90	0.60	0.86	51.87
28.70	42.24	0.70	0.76	53.05
30.40	46.55	0.86	0.67	54.47
32.00	50.45	1.02	0.60	56.61
33.60	54.18	1.48	0.55	60.33
54.40	77.82	6.04	0.22	66.08
75.20	77.17	4.69	0.12	80.27
96.00	81.80	4.39	0.09	100.53
116.80	80.95	4.80	0.08	81.42
137.60	80.75	3.87	0.07	43.84
158.40	83.26	4.95	0.07	28.31
179.20	79.58	3.64	0.06	15.72
200.00	80.96	5.21	0.06	10.37