

Plug-In Low Pass Filter

50Ω DC to 140 MHz

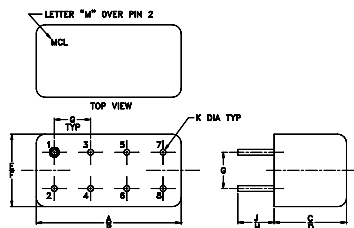
Maximum Ratings

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

Pin Connections

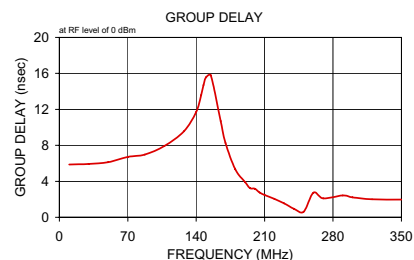
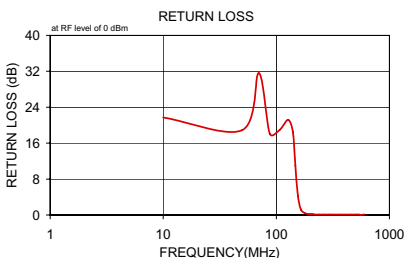
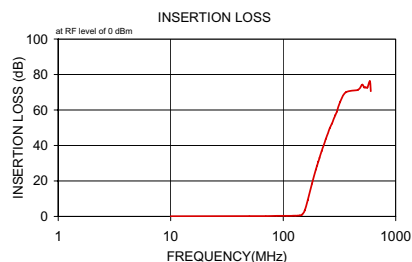
INPUT	1
OUTPUT	8
GROUND	2,3,4,5,6,7
CASE GROUND	2,3,4,5,6,7
DEMO BOARD	TB-305

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

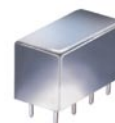


Features

- 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)

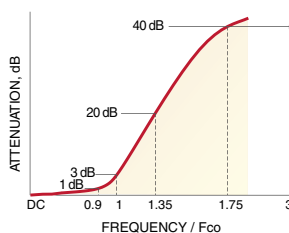
+ RoHS compliant in accordance with EU Directive (2002/95/EC)

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

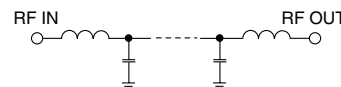
Low Pass Filter Electrical Specifications

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-140	155	210-300 300-600	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			
10.00	0.12	0.1	10.00	5.875
50.00	0.20	0.0	30.00	5.932
70.00	0.19	0.1	50.00	6.124
87.50	0.30	0.1	70.00	6.723
107.50	0.34	0.1	87.50	6.973
127.50	0.43	0.1	107.50	7.940
140.00	0.59	0.1	127.50	9.564
147.50	1.11	0.1	140.00	11.710
155.00	3.27	0.2	145.00	13.582
165.00	9.15	0.4	147.50	14.703
180.00	18.50	0.6	150.00	15.571
195.03	26.35	0.7	155.00	15.775
200.03	28.70	0.7	165.00	10.701
205.00	30.89	0.7	170.00	8.263
210.03	33.01	0.8	180.00	5.337
220.04	36.90	0.8	190.00	3.934
240.04	43.83	0.9	195.00	3.242
260.05	49.92	1.3	200.00	3.185
270.05	52.20	1.9	205.00	2.751
290.06	57.13	1.7	210.00	2.474
300.00	59.12	2.5	220.00	2.061
320.00	64.42	3.7	230.00	1.548
360.00	69.97	6.8	240.00	0.945
462.50	71.43	5.2	250.00	0.617
502.50	74.26	2.1	260.00	2.736
522.50	72.73	2.6	270.00	2.100
540.00	72.69	4.1	290.00	2.428
560.00	72.65	5.6	300.00	2.217
590.00	76.20	9.3	320.00	2.006
600.00	70.55	3.8	350.00	1.977



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