

Plug-In Low Pass Filter

50Ω DC to 520 MHz

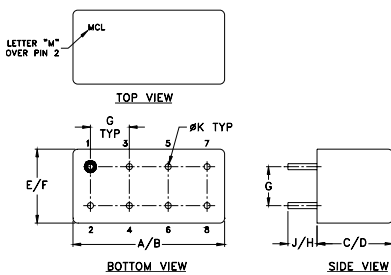
Maximum Ratings

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

Pin Connections

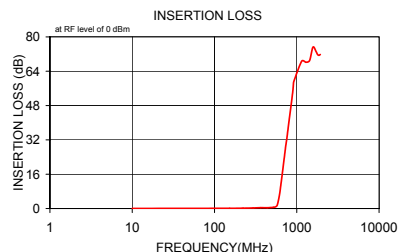
INPUT	1
OUTPUT	8
GROUND	2,3,4,5,6,7
CASE GROUND	2,3,4,5,6,7
DEMO BOARD	TB-305

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	

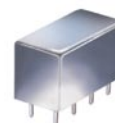


Features

- 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)

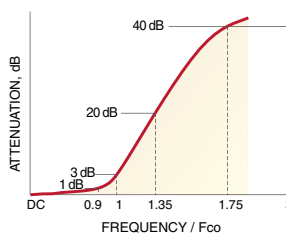
+ RoHS compliant in accordance with EU Directive (2002/95/EC)

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-520	570	750-920 920-2000	1.7 18

typical frequency response

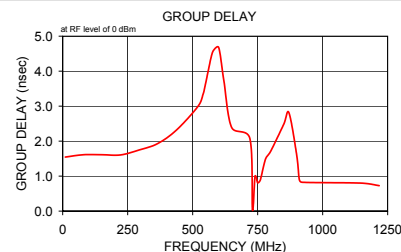
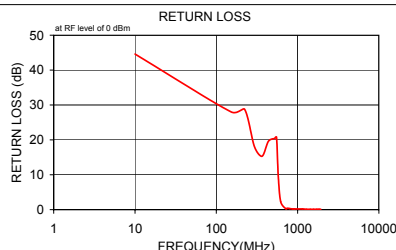


electrical schematic



Typical Performance Data

Frequency (MHz)	Insertion Loss (dB)	Return Loss (dB)	Frequency (MHz)	Group Delay (nsec)
$\bar{x}$	σ			
10.00	0.02	0.1	10.00	1.55
152.50	0.10	0.1	80.00	1.61
222.50	0.15	0.1	152.50	1.61
295.00	0.27	0.1	222.50	1.61
365.00	0.38	0.1	295.00	1.75
437.50	0.36	0.1	365.00	1.93
520.00	0.57	0.1	437.50	2.32
550.00	0.75	0.1	520.00	2.99
570.00	1.17	0.3	540.00	3.34
580.00	1.68	0.4	550.00	3.66
620.00	7.07	1.1	570.00	4.37
720.00	26.51	1.6	580.00	4.59
730.00	28.52	1.6	600.00	4.68
740.00	29.95	1.6	620.00	3.72
750.00	31.57	1.6	650.00	2.39
760.00	33.24	1.7	720.00	2.08
800.00	39.85	1.9	730.00	0.04
870.00	50.78	2.4	740.00	0.99
900.00	55.60	2.9	750.00	0.81
910.00	58.10	4.7	760.00	0.89
920.00	59.19	4.2	780.00	1.49
1147.50	68.70	3.0	800.00	1.71
1290.00	68.19	3.5	850.00	2.48
1432.50	69.02	4.4	870.00	2.81
1572.50	75.22	5.7	900.00	1.61
1715.00	73.18	5.2	910.00	0.91
1787.50	71.84	3.4	920.00	0.83
1857.50	71.44	3.7	1147.50	0.80
1930.00	71.78	6.9	1217.50	0.73
2000.00	68.82	2.1	1290.00	0.65



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