

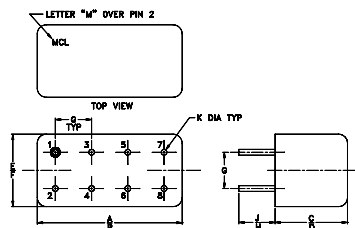
Low Pass Filter

50Ω DC to 700 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


NOTE: BLUE BEAD INDICATES PIN 1.
PIN NUMBERS DO NOT APPEAR ON UNIT,
FOR REFERENCE ONLY.

Outline Dimensions (inch)

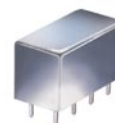
A	B	C	D	E	F
.770	.800	.385	.400	.370	.400
19.56	20.32	9.78	10.16	9.40	10.16
G	H	J	K	wt	
.200	.20	.14	.031	grams	
5.08	5.08	3.56	0.79	5.2	


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



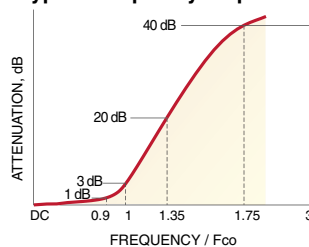
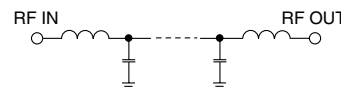
CASE STYLE: A01
PRICE: \$13.70 ea. QTY (1-9)

+ 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 > 20 dB)	(loss > 40 dB)	Passband Typ.	Stopband Typ.
DC-700	770	1000-1300	1300-2000	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	0.01	0.1	42.4	10.00	1.22
142.50	0.13	0.1	18.9	77.50	1.27
275.00	0.13	0.1	24.0	142.50	1.31
407.50	0.24	0.1	19.5	210.00	1.29
540.00	0.34	0.1	16.1	275.00	1.38
672.50	0.50	0.1	22.5	342.50	1.48
700.00	0.61	0.1	19.6	407.50	1.49
720.00	0.75	0.1	18.8	475.00	1.58
770.00	3.29	0.2	4.7	540.00	1.80
780.00	4.47	0.2	3.5	607.50	1.96
820.00	10.67	0.5	1.2	672.50	2.42
900.00	23.62	0.9	0.5	700.00	2.78
920.00	26.64	1.0	0.4	710.00	2.81
940.00	29.60	1.1	0.4	720.00	3.18
1000.00	38.46	1.5	0.3	730.00	3.55
1040.00	44.45	1.5	0.3	770.00	3.81
1080.00	50.55	2.0	0.2	780.00	3.79
1100.00	54.84	3.5	0.2	800.00	2.99
1120.00	57.93	4.7	0.2	820.00	2.72
1150.00	64.79	5.8	0.3	870.00	1.69
1200.00	68.75	5.6	0.1	900.00	1.27
1300.00	69.77	6.9	0.1	920.00	1.11
1535.00	66.70	2.9	0.1	940.00	1.19
1602.50	70.91	7.5	0.2	1000.00	1.45
1667.00	67.12	3.1	0.1	1040.00	0.38
1735.00	66.47	6.6	0.1	1060.00	0.24
1800.00	67.59	9.9	0.1	1080.00	1.05
1867.00	66.42	3.7	0.1	1100.00	1.04
1932.00	65.70	7.4	0.1	1120.00	1.54

