

Plug-In Low Pass Filter

50Ω DC to 580 MHz

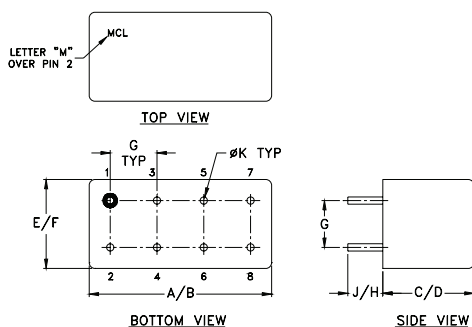
Maximum Ratings

Operating Temperature	-55°C to 100°C
Storage Temperature	-55°C to 100°C
RF Power Input	0.5W max.
Permanent damage may occur if any of these limits are exceeded.	

Pin Connections

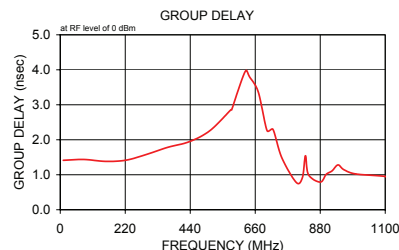
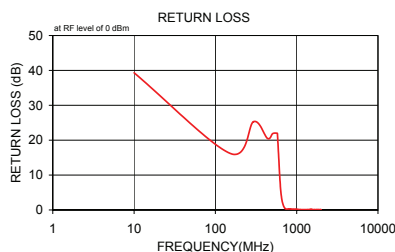
INPUT	1
OUTPUT	8
GROUND	2,3,4,5,6,7
CASE GROUND	2,3,4,5,6,7

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

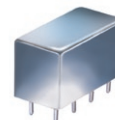


Features

- 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)

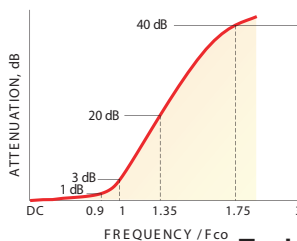
+ RoHS compliant in accordance
with EU Directive (2002/95/EC)

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

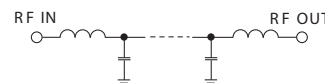
Low Pass Filter Electrical Specifications

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-580	640	840-1120 1120-2000	1.7 18

typical frequency response



electrical schematic



Typical Performance Data

Frequency (MHz)	Insertion Loss (dB)	Return Loss (dB)	Frequency (MHz)	Group Delay (nsec)
10.00	0.01	0.1	10.00	1.41
152.50	0.22	0.2	80.00	1.44
295.00	0.20	0.1	152.50	1.38
437.50	0.28	0.1	222.50	1.42
507.50	0.37	0.1	295.00	1.59
577.50	0.59	0.1	365.00	1.79
580.00	0.60	0.1	437.50	1.95
620.00	1.50	0.3	507.50	2.27
640.00	2.98	0.4	577.50	2.86
670.00	7.09	0.6	580.00	2.85
720.00	15.52	2.0	600.00	3.36
800.00	28.44	4.7	620.00	3.84
820.00	31.52	5.4	630.00	3.98
830.00	33.06	5.7	640.00	3.81
840.00	34.63	6.1	670.00	3.37
880.00	41.22	8.0	700.00	2.26
920.00	48.84	9.9	720.00	2.30
960.00	58.62	9.9	750.00	1.48
1000.00	59.95	9.9	800.00	0.77
1100.00	59.89	8.4	820.00	0.93
1120.00	62.05	8.8	830.00	1.54
1360.00	71.05	2.3	840.00	1.00
1502.50	73.53	9.3	880.00	0.79
1572.50	70.71	4.9	900.00	1.01
1650.00	67.12	3.4	920.00	1.11
1750.00	67.73	7.7	940.00	1.28
1800.00	70.74	9.5	960.00	1.15
1850.00	68.64	9.1	1000.00	1.02
1950.00	68.21	7.1	1100.00	0.95
2000.00	65.82	4.6	1120.00	0.85

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IF/RF MICROWAVE COMPONENTS

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