

Low Pass Filter

50Ω DC to 340 MHz

Maximum Ratings

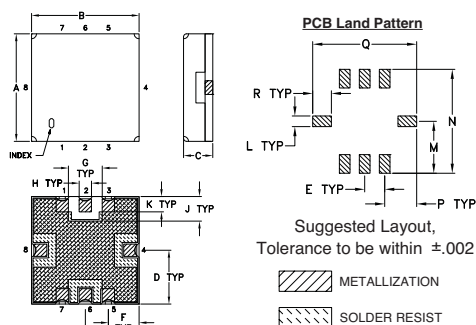
Operating Temperature	-40°C to 85°C
Storage Temperature	-55°C to 100°C
RF Power Input	0.5W Max

Permanent damage may occur if any of these limits are exceeded.

Pin Connections

RF IN	2
RF OUT	6
GROUND	1, 3, 4, 5, 7, 8

Outline Drawing

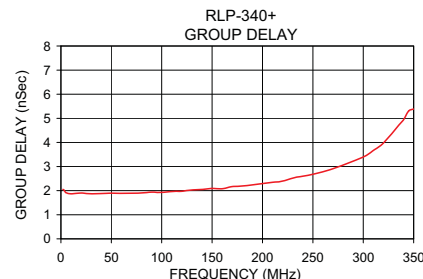
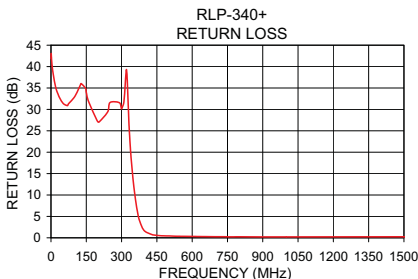
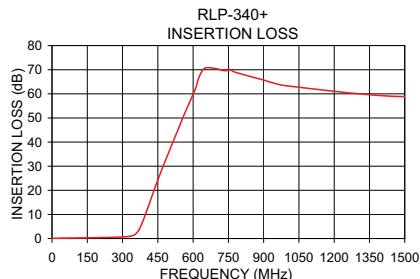
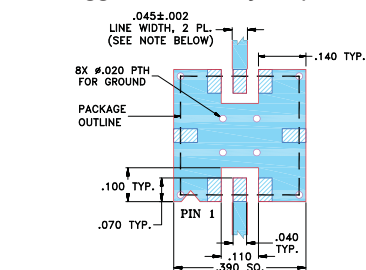


Outline Dimensions (inch/mm)

A	B	C	D	E	F	G	H	J
.350	.350	.100	.175	.075	.100	.110	.040	.080
8.89	8.89	2.54	4.45	1.93	2.54	2.79	1.02	2.03

K	L	M	N	P	Q	R	wt.
.050	.040	.195	.390	.120	.390	.070	grams
1.27	1.02	4.95	9.91	3.05	9.91	1.78	0.25

Demo Board MCL P/N: TB-332 Suggested PCB Layout (PL-176)



Features

- high rejection
- sharp insertion loss roll off
- excellent VSWR, 1.15:1 typ. @ passband
- aqueous washable

Applications

- wireless communications
- receivers / transmitters



CASE STYLE: GP731
PRICE: \$7.95 ea. QTY (10)

+RoHS Compliant

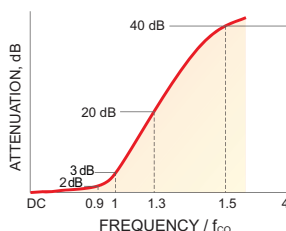
The +Suffix identifies RoHS Compliance. See our web site for RoHS Compliance methodologies and qualifications

Reel Size	Devices/Reel
7"	10, 20, 50, 100, 200
13"	500, 1000

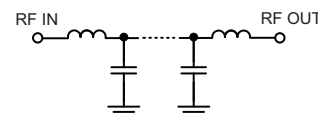
Low Pass Filter Electrical Specifications (T_{AMB} = 25°C)

PASSBAND (MHz)	f _{co} , MHz Nom.	STOPBAND (MHz)	VSWR (:1)
(Loss < 2dB)	(Loss 3dB)	(Loss > 20dB) (Loss > 40dB)	Passband Typ. Stopband Typ.
DC - 340	365	475 - 560 560 - 1500	1.15 20

Typical Frequency Response



Functional Schematic



Typical Performance Data at 25°C

Frequency (MHz)	Insertion Loss (dB)	Return Loss (dB)	Frequency (MHz)	Group Delay (nSec)
$\bar{x}$	σ			
0.5	0.02	0.01	41.88	
50.0	0.15	0.00	31.53	
150.0	0.30	0.01	33.97	
300.0	0.68	0.01	30.15	
320.0	0.81	0.01	39.21	
340.0	1.10	0.05	19.06	
356.0	1.90	0.16	10.20	
365.0	2.89	0.24	6.87	
376.0	4.77	0.34	4.09	
396.0	9.66	0.42	1.69	
432.0	19.55	0.38	0.69	
460.0	26.81	0.36	0.51	
475.0	30.57	0.37	0.47	
518.0	40.89	0.39	0.39	
560.0	50.95	0.81	0.35	
700.0	70.40	4.16	0.26	
1000.0	63.32	2.29	0.21	
1500.0	58.88	2.43	0.24	

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