

# High Pass Filter

## RHP-110+

50Ω 185 to 2500 MHz

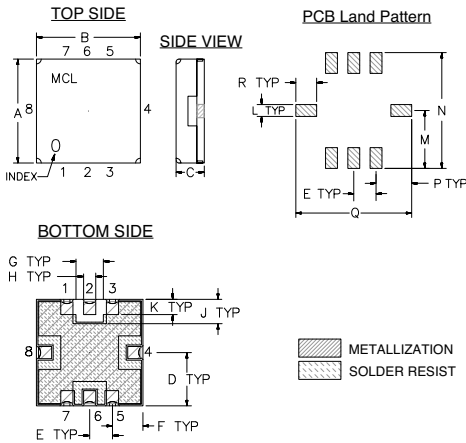
### Maximum Ratings

Operating Temperature	-40°C to 85°C
Storage Temperature	-55°C to 100°C
RF Power Input	0.5W at 25°C

### Pin Connections

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

### Outline Drawing



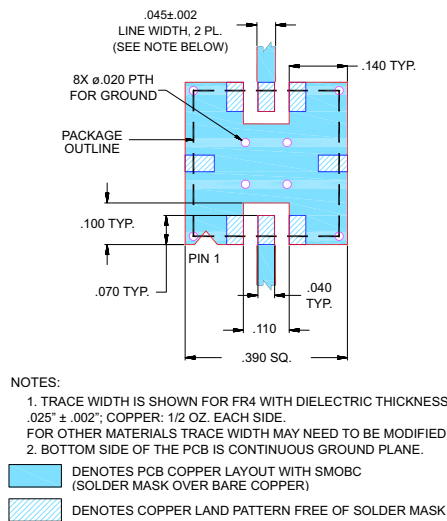
### Outline Dimensions (inch/mm)

A	B	C	D	E	F	G	H	J
.350	.350	.100	.175	.075	.100	.090	.040	.080
8.89	8.89	2.54	4.45	1.93	2.54	2.29	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)

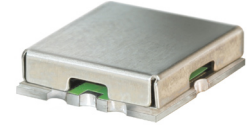


### Features

- Low Insertion Loss, 0.3dB Typ @ Passband
- High Rejection
- Shielded case
- Aqueous washable

### Applications

- Transmitters/Receivers
- Sub-Harmonic Rejection



CASE STYLE: GP731  
PRICE: \$13.95 ea. QTY (1-9)

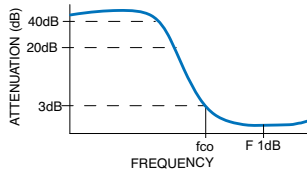
+ RoHS compliant in accordance with EU Directive (2002/95/EC)

The +Suffix has been added in order to identify RoHS Compliance. See our web site for RoHS Compliance methodologies and qualifications.

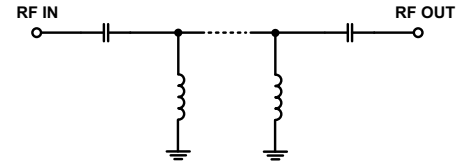
### High Pass Filter Electrical Specifications (T<sub>AMB</sub> = 25°C)

STOPBAND (MHz)	f <sub>co</sub> , MHz Nom.	PASSBAND (MHz)	VSWR (:1)
(Loss > 40dB)	(Loss 3dB)	(Loss < 1dB)	Stopband Typ. Passband Typ.
DC - 60	110	185 - 2500	18 1.2

### Typical Frequency Response

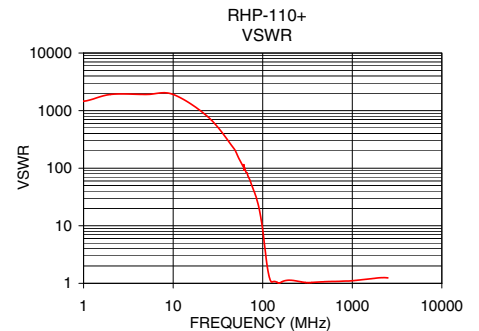
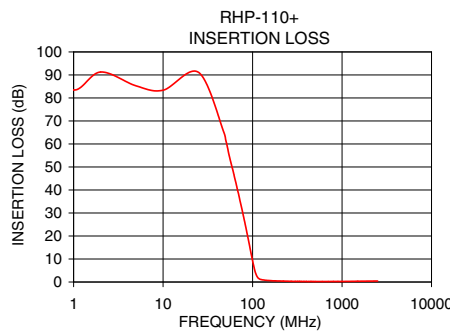


### Functional Schematic



### Typical Performance Data at 25°C

Frequency (MHz)	Insertion Loss (dB)	VSWR (:1)
1.0	83.49	1457.50
25.0	91.10	757.04
60.0	48.89	108.79
75.0	32.71	51.99
90.0	18.12	21.94
100.0	9.19	8.47
105.0	5.56	4.56
110.0	3.08	2.51
115.0	1.82	1.59
125.0	1.06	1.06
140.0	0.77	1.07
185.0	0.48	1.13
300.0	0.28	1.03
500.0	0.22	1.07
1000.0	0.23	1.11
1500.0	0.33	1.19
2000.0	0.39	1.24
2500.0	0.42	1.25



P.O. Box 350166, Brooklyn, New York 11235-0003 (718) 934-4500 Fax (718) 332-4661 For detailed performance specs & shopping online see Mini-Circuits web site



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RF/IF MICROWAVE COMPONENTS

REV. OR  
M114801  
EDR-8690U  
RHP-110+  
URJ/RAV  
071204  
Page 1 of 1