

Bandpass Filter

RBP-160+

50Ω 120 to 210 MHz

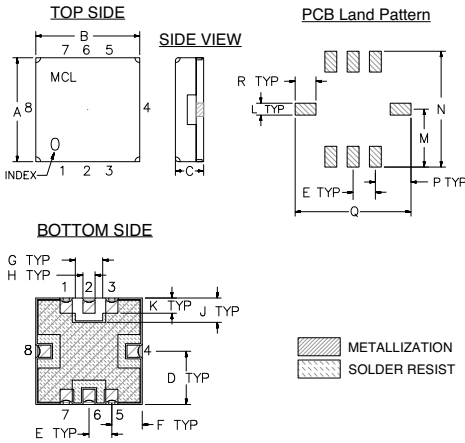
Maximum Ratings

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

Pin Connections

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

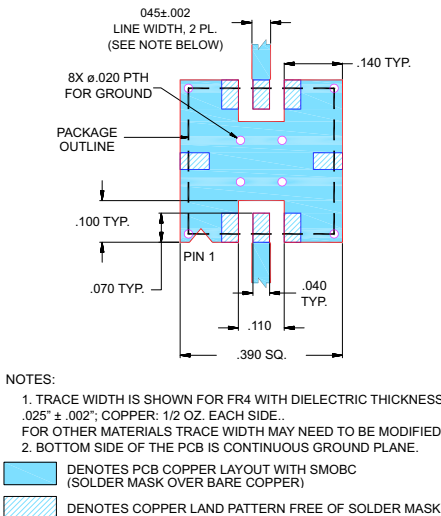
Outline Drawing



Outline Dimensions (inch/mm)

A	B	C	D	E	F	G	H	J	wt.
.350	.350	.100	.175	.075	.100	.090	.040	.080	grams
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			
.050	.040	.195	.390	.120	.390	.070			
1.27	1.02	4.95	9.91	3.05	9.91	1.78			

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

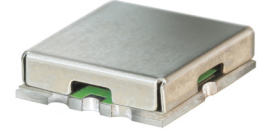


Features

- Good VSWR, 1.2:1 Typ @ Pass Band
- Small Size(0.35" X 0.35")

Applications

- Navigation
- Harmonic Rejection
- Transmitters/Receivers



CASE STYLE: GP731
PRICE: \$15.95 ea. QTY (1-9)

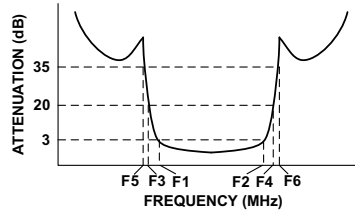
+ RoHS compliant in accordance with EU Directive (2002/95/EC)

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

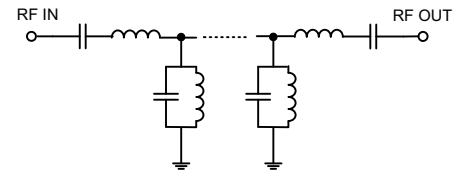
Bandpass Filter Electrical Specifications (T_{AMB} = 25°C)

CENTER FREQ. (MHz)	PASSBAND (MHz) (Loss < 3dB) F1 - F2	STOPBANDS (MHz)				VSWR (:1)	
		Loss > 20dB		Loss > 35dB		Passband Max.	Stopband Typ.
		F3	F4	F5	F6		
165	120 - 210	85	280	70	340 - 2000	1.6	18

Typical Frequency Response



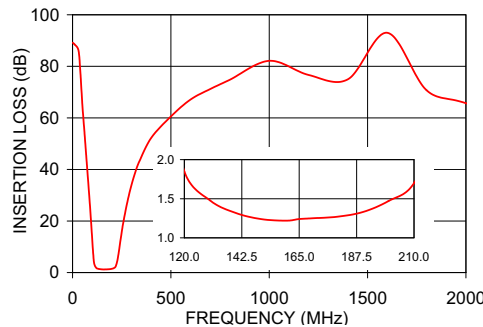
Functional Schematic



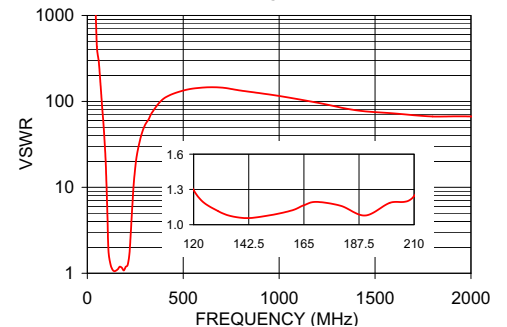
Typical Performance Data at 25°C

Frequency (MHz)	Insertion Loss (dB)	VSWR (:1)
0.3	89.19	1737.18
40	77.22	1737.18
70	44.89	144.77
85	29.73	51.10
100	12.83	11.03
105	7.19	4.62
110	3.46	1.85
120	1.85	1.29
165	1.24	1.17
210	1.70	1.24
220	2.49	1.72
230	5.47	4.08
250	15.72	17.05
280	27.86	39.49
340	43.18	75.53
1000	82.13	115.81
1400	74.97	78.97
2000	65.68	66.82

RBP-160+ INSERTION LOSS



RBP-160+ VSWR



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

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