

Band Stop Filter

BSF-108+

50Ω 88 to 108 MHz

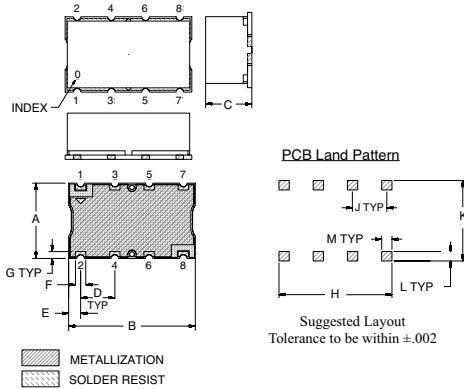
Maximum Ratings

Operating Temperature	-40°C to 85°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

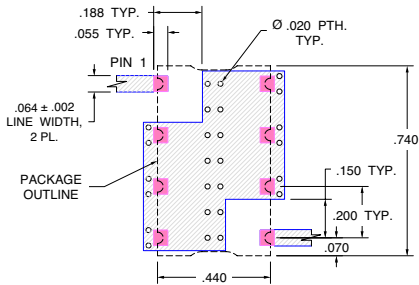
Outline Drawing



Outline Dimensions (inch/mm)

A	B	C	D	E	F	
.440	.740	.270	.200	0.70	0.60	
11.18	18.80	6.86	5.08	1.78	1.52	
G	H	J	K	L	M	wt.
.040	.660	.200	.470	.055	.060	grams
1.02	16.76	5.08	11.94	1.40	1.52	3

Demo Board MCL P/N: TB-368
Suggested PCB Layout (PL-230)



Features

- High FM Frequency Rejection
- Good VSWR, 1.3:1 Typ @ Passband

Applications

- FM Radio Rejection
- Receivers / Transmitters



CASE STYLE: HF1139
PRICE: \$39.95 QTY (1-9)

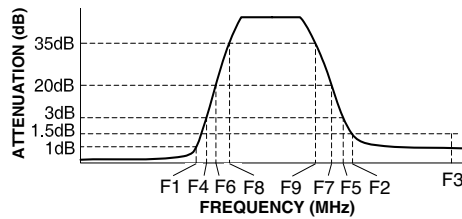
+ RoHS compliant in accordance with EU Directive (2002/95/EC)

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

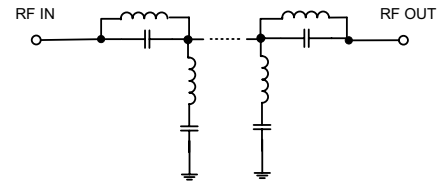
Band Stop Filter Electrical Specifications

STOPBANDS (MHz)		Loss 3dB	PASSBANDS (MHz)		VSWR (:1)	
(Loss > 20dB) F6 - F7	(Loss > 35dB) F8 - F9	Typ. F4, F5	Loss < 1dB F1	Loss < 1.5dB F2 - F3	Stopband Typ.	Passband Typ.
88 - 108	90 - 105	81 & 120	65	140-1000	6.0	1.3

Typical Frequency Response

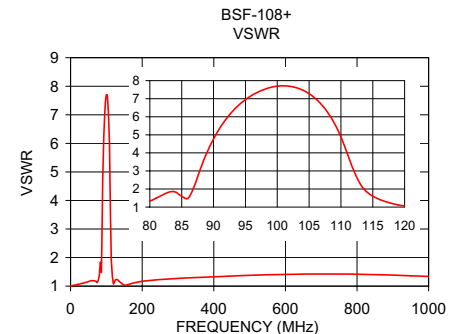
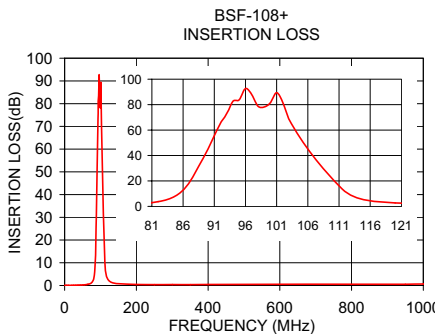


Functional Schematic



Typical Performance Data at 25°C

Frequency (MHz)	Insertion Loss (dB)	VSWR (:1)
1	0.05	1.01
50	0.25	1.16
65	0.51	1.19
75	1.16	1.14
81	2.94	1.50
83	4.86	1.83
85	8.73	1.60
87	18.96	2.18
88	26.90	3.16
90	45.21	4.79
105	52.30	7.28
108	32.63	6.19
111	15.97	3.97
113	8.50	2.30
116	4.43	1.44
120	2.72	1.08
140	1.00	1.12
500	0.49	1.38
1000	0.66	1.34



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



The Design Engineers Search Engine Provides ACTUAL Data Instantly From MINI-CIRCUITS At: www.minicircuits.com

RF/IF MICROWAVE COMPONENTS

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