

Connectorized

# Band Stop Filter

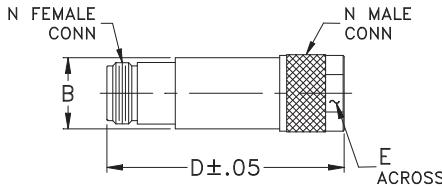
NSBP-108+

50Ω 88 to 108 MHz

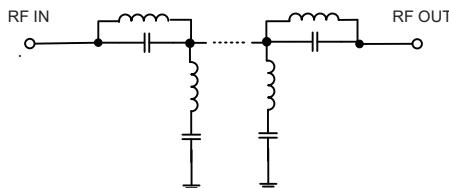
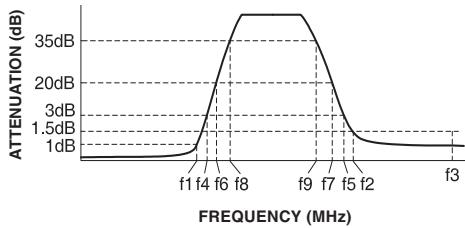
**Maximum Ratings**

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

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

**Outline Drawing****Outline Dimensions (inch)**

B	D	E	wt. grams
.68 17.27	2.43 61.72	.718 18.24	73.0

**Functional Schematic****Typical Frequency Response****Features**

- High FM Frequency Rejection
- Good Return Loss, 20 dB Typ @ Pass Band

**Application**

- FM Radio Rejection
- Transmitters/Receivers
- Lab Use



CASE STYLE: FF967

Connectors	Model	Price	Qty.
N-type	NSBP-108+	\$129.00 ea.	(1-9)

**+RoHS Compliant**

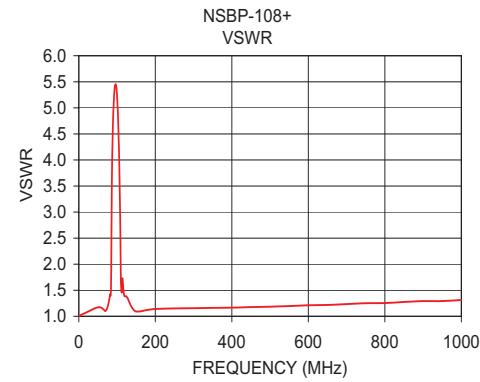
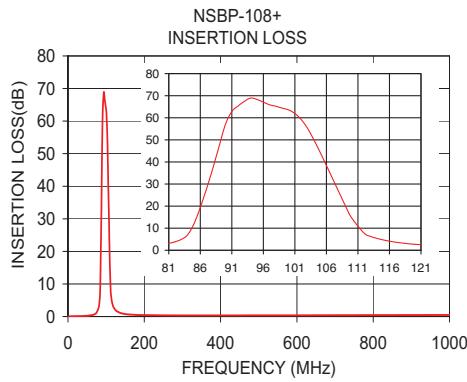
The +Suffix identifies RoHS Compliance. See our web site for RoHS Compliance methodologies and qualifications

**Band Stop Filter Electrical Specifications ( $T_{AMB} = 25^\circ C$ )**

MODEL NO.	STOPBANDS (MHz) (Loss > 20dB) f6-f7	Loss 3dB Typ. f4, f5	PASSBANDS (MHz)		VSWR (:1)	
			Loss < 1dB f1	Loss < 1.5dB f2,f3	Stopband Typ.	Passband Typ.
NSBP-108+	88-108	89-105	81 & 120	65	140-1000	3.4 1.3

**Typical Performance Data at 25°C**

Frequency (MHz)	Insertion Loss (dB)	VSWR (:1)
1	0.02	1.01
65	0.48	1.13
70	0.72	1.10
75	1.21	1.18
81	3.11	1.39
83	4.96	1.40
87	27.99	3.88
88	37.25	4.32
89	47.24	4.64
90	57.09	4.88
105	44.40	4.17
108	26.23	2.90
109	20.24	2.32
116	4.13	1.56
120	2.72	1.38
140	1.00	1.16
150	0.76	1.09
300	0.34	1.16
600	0.37	1.21
1000	0.49	1.31



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IF/RF MICROWAVE COMPONENTS

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**Notes:** 1. Performance and quality attributes and conditions not expressly stated in this specification sheet are intended to be excluded and do not form a part of this specification sheet. 2. Electrical specifications and performance data contained herein are based on Mini-Circuit's applicable established test performance criteria and measurement instructions. 3. The parts covered by this specification sheet are subject to Mini-Circuits standard limited warranty and terms and conditions (collectively, "Standard Terms"). Purchasers of this part are entitled to the rights and benefits contained therein. For a full statement of the Standard Terms and the exclusive rights and remedies thereunder, please visit Mini-Circuits' website at [www.minicircuits.com/MCLStore/terms.jsp](http://www.minicircuits.com/MCLStore/terms.jsp).

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