Coaxial

Band Stop Filter

ZBSF-95+

50Ω 88 to 105 MHz



CASE STYLE: CC1524

The Big Deal

- High rejection
- Stopband (88 to 105 MHz)
- High power, 15 W
- Connectorized package

Product Overview

The ZBSF-95+ is band stop filter built into a rugged connectorized package (size of 2.0"x 2.0" x 1.3"). Covering 88 to 105 MHz stop band, this units offer good rejection. It has repeatable performance across production lots and consistent performance across temperature. Useful in Radio broadcast systems to minimize spurious signal and avoid system jamming.

Key Features

Feature	Advantages
High rejection	ZBSF-95+ enables the filter to attenuate spurious signals and reject harmonics for broadband of frequencies.
High power, 15 W	Suitable for high power application and lab test equipment
Connectorized package	Connectorized package reduce interference with and from the surrounding components.

Notes
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B. Electrical specifications and performance data contained in this specification document are based on Mini-Circuit's applicable established test performance criteria and measurement instructions.
C. The parts covered by this specification document 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

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Connectors	Model
N M/F	ZBSF-95-N+

Features

- High rejection
- Fast roll-off
- Connectorized package

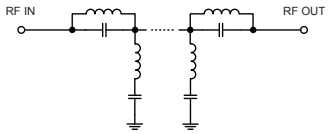
Applications

- FM radio
- Receivers / Transmitters
- Lab use

Electrical Specifications at 25°C

Parameter		F#	Frequency (MHz)	Min.	Typ.	Max.	Unit
Pass Band, Lower	Insertion Loss	DC-F1	DC - 60	-	0.4	1.0	dB
	VSWR	DC-F1	DC - 60	-	1.4	2.1	:1
Stop Band	Rejection	F4-F5	88 - 105	30	38	-	dB
	VSWR	F4-F5	88 - 105	-	48	-	:1
Pass Band, Upper	Insertion Loss	F2-F3	125 -1000	-	0.6	1.5	dB
	VSWR	F2-F3	125 -1000	-	1.6	2.1	:1

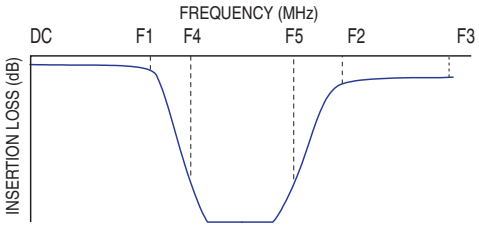
Functional Schematic



Maximum Ratings	
Operating Temperature	-40°C to 85°C
Storage Temperature	-55°C to 100°C
RF Power Input	15 W max.

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

Typical Frequency Response

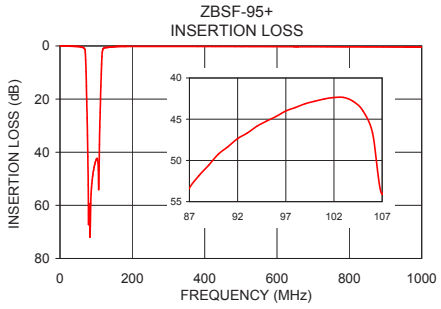


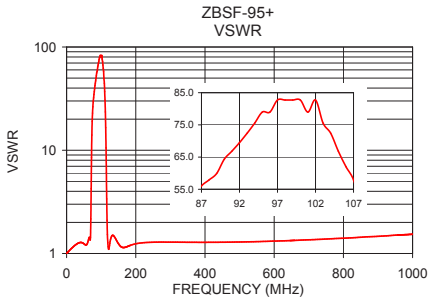
Typical Performance Data at 25°C

Frequency (MHz)	Insertion Loss (dB)	VSWR (:1)
1	0.01	1.01
30	0.12	1.24
50	0.21	1.24
60	0.39	1.25
71	5.27	4.25
72	9.71	8.51
75	27.10	22.87
85	59.40	49.64
88	51.83	57.91
95	45.23	78.97
105	43.98	66.82
107	54.08	57.91
112	19.90	23.49
115	6.88	6.05
119	1.15	1.28
125	0.62	1.25
150	0.27	1.24
650	0.27	1.34
960	0.43	1.51
1000	0.46	1.54

+RoHS Compliant

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





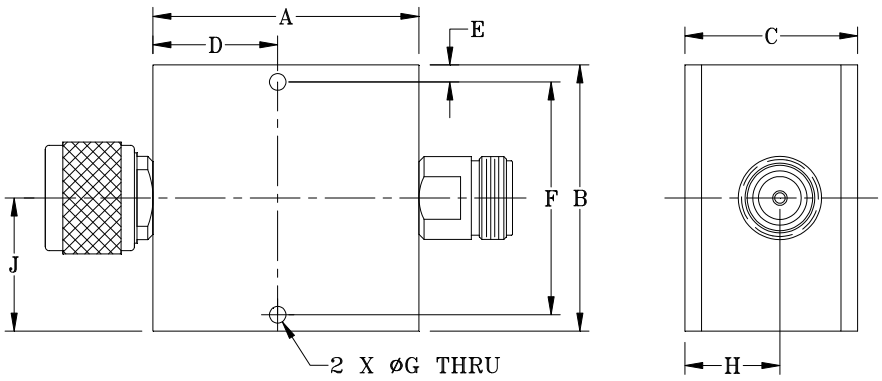
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Coaxial Connections

INPUT	N-Male
OUTPUT	N-Female

Outline Drawing



Outline Dimensions (inch / mm)

A	B	C	D	E	F	G	H	J	wt
2.000	2.000	1.300	0.938	0.125	1.750	0.125	0.715	1.000	grams
(50.80)	(50.80)	(33.02)	(23.83)	(3.18)	(44.45)	(3.18)	(18.16)	(25.4)	183.6

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