

# Coaxial Band Stop Filter

## ZBSF-95+

50Ω 88 to 105 MHz

### The Big Deal

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



CASE STYLE: CC1524

### 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

- A. Performance and quality attributes and conditions not expressly stated in this specification document are intended to be excluded and do not form a part of this specification document.  
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.  
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# Band Stop Filter

## ZBSF-95+

50Ω 88 to 105 MHz



CASE STYLE: CC1524

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

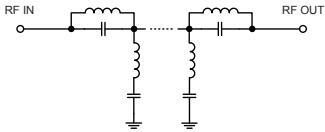
Parameter	F#	Frequency (MHz)	Min.	Typ.	Max.	Unit	
Pass Band, Lower	Insertion Loss	DC-F1	DC - 60	-	0.4	1.0	dB
	VSWR	DC-F1	DC - 60	-	1.4	2.1	:1
Stop Band	Rejection	F4-F5	88 - 105	30	38	-	dB
	VSWR	F4-F5	88 - 105	-	48	-	:1
Pass Band, Upper	Insertion Loss	F2-F3	125 - 1000	-	0.6	1.5	dB
	VSWR	F2-F3	125 - 1000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

### Maximum Ratings

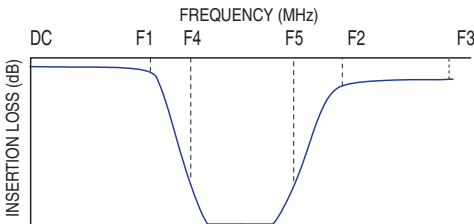
Operating Temperature	-40°C to 85°C
Storage Temperature	-55°C to 100°C
RF Power Input	15 W max.

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

### Functional Schematic



### Typical Frequency Response

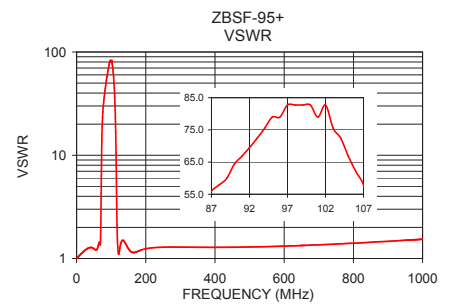
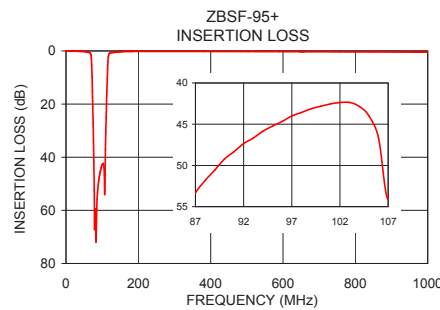


### Typical Performance Data at 25°C

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



### Notes

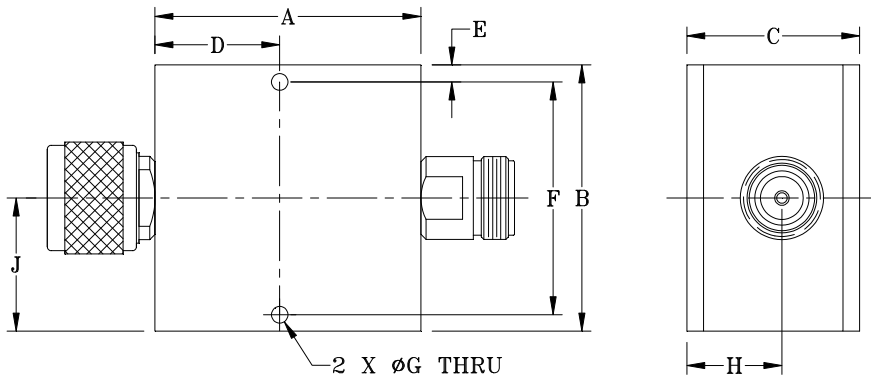
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## Coaxial Connections

INPUT	N-Male
OUTPUT	N-Female

## Outline Drawing



## Outline Dimensions ( $\frac{\text{inch}}{\text{mm}}$ )

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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