

Coaxial

Band Stop Filter

ZX75BS-70+

50Ω

56.75 to 83.25 MHz

The Big Deal

- High rejection
- Stopband (56.75 to 83.25 MHz)
- Connectorized package



CASE STYLE: KD1465

Product Overview

The ZX75BS-70+ is a band stop filter built in rugged and compact connectorized package. This filter offers good rejection in stopband. It has repeatable performance across lots and consistent performance across temperature. Useful in instrumentation system for industrial applications.

Key Features

Feature	Advantages
High rejection	ZX75BS-70+ enables the filter to attenuate spurious signals without compromising pass band signal.
Connectorized package	The connectorized package is easy to interface with other devices and well suited for test setups
Application	Useful in broadcast systems and SATCOM transceiver. Can be used for IF leakage suppression.

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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50Ω

56.75 to 83.25 MHz

ZX75BS-70+



CASE STYLE: KD1465

Connectors	Model
SMA-MF	ZX75BS-70-S+

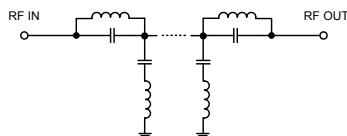
Features

- High rejection
- Fast roll-off
- Connectorized package

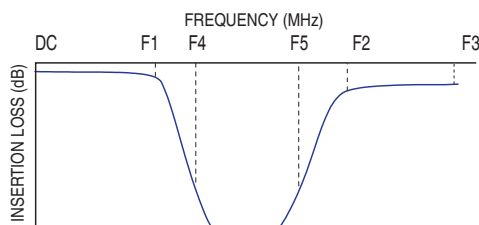
Applications

- FM radio
- Broadcast systems
- SATCOM transceiver
- IF leakage suppression
- Lab use

Functional Schematic



Typical Frequency Response

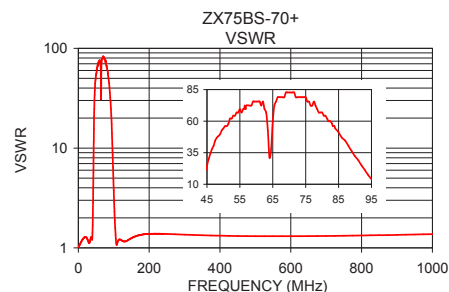
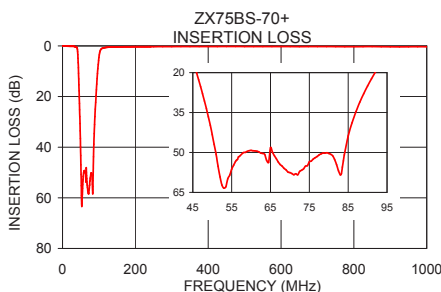


Typical Performance Data at 25°C

Frequency (MHz)	Insertion Loss (dB)	VSWR (:1)
1.00	0.02	1.02
37.00	0.40	1.28
40.00	0.77	1.41
41.00	1.54	2.15
42.00	3.41	4.02
43.00	6.65	8.31
45.00	15.37	24.83
48.00	30.67	46.96
50.00	43.31	54.29
56.75	51.67	69.49
70.00	57.56	82.73
83.25	57.98	56.04
87.00	34.65	44.55
93.00	17.32	21.20
98.00	7.30	6.49
101.00	3.53	2.91
105.00	1.47	1.37
120.00	0.60	1.20
500.00	0.25	1.31
1000.00	0.33	1.37

+RoHS Compliant

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



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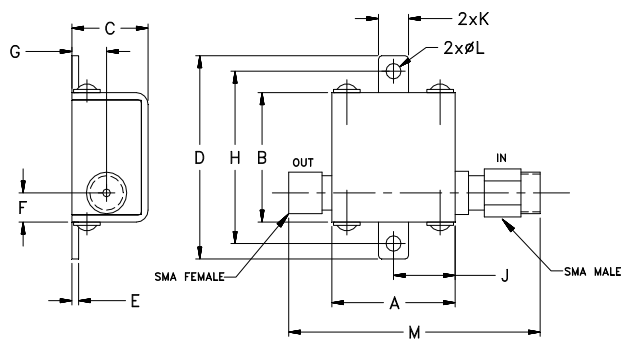
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M160153
ZX75BS-70+
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Coaxial Connections

INPUT	SMA-Male
OUTPUT	SMA-Female

Outline Drawing



Outline Dimensions (inch mm)

A	B	C	D	E	F	
.74	.75	.46	1.18	.04	.17	
18.80	19.05	11.68	29.97	1.02	4.32	
G	H	J	K	L	M	wt.
.21	1.00	.37	.18	.09	1.51	grams
5.33	25.40	9.40	4.57	2.29	38.4	21.4

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