Coaxial

High Pass Filter

ZFHP-0R055+

50Ω 0.07 to 1000 MHz

Maximum Ratings

Operating Temperature	-40ºC to 85ºC
Storage Temperature	-55ºC to 100ºC
RF Power Input	1W at 25ºC

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

Features

- Wideband, 0.07 MHz to 1000 MHz
- Good VSWR, 1.1:1 Typ @ Passband
- High Rejection
- Rugged shielded case

Applications

- Wire-Line Broadband Access
- Fiber Optics Network
- Receivers / Transmitters
- Lab Use
- Test Equipment

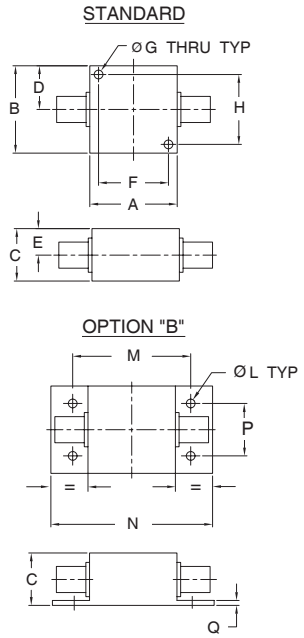
CASE STYLE: H16

Connectors	Model
SMA-FEMALE BRACKET (OPTION "B")	ZFHP-0R055-S+

+RoHS Compliant

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

Outline Drawing



Outline Dimensions (inch / mm)

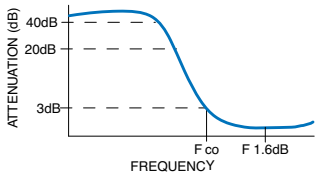
A	B	C	D	E	F	G
1.25	**1.25**	**.75**	**.63**	**.38**	**1.000**	**.125**
31.75	31.75	19.05	16.00	9.65	25.40	3.18

H	L	M	N	P	Q	wt.
1.000	**.125**	**1.688**	**2.18**	**.75**	**.06**	**grams**
25.40	3.18	42.88	55.37	19.05	1.52	70

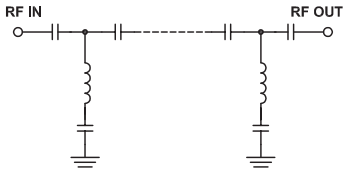
High Pass Filter Electrical Specifications (T_{AMB}= 25ºC)

STOPBAND (MHz)		fco, MHz Nom.	PASSBAND (MHz)	VSWR (:1)	
(Loss > 40dB)	(Loss > 20dB)	(Loss 3dB)	(Loss < 1.6dB)	Stopband Typ.	Passband Typ.
DC - 0.04	DC - 0.044	0.055	0.07 - 1000	20	1.1

Typical Frequency Response

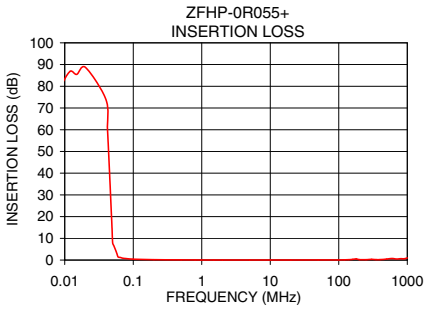


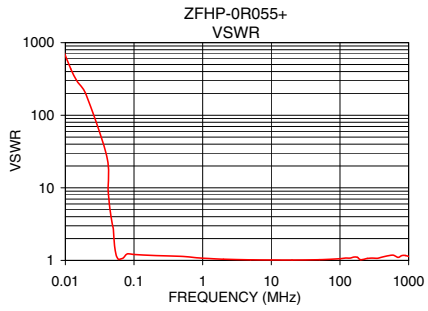
Functional Schematic



Typical Performance Data at 25ºC

Frequency (MHz)	Insertion Loss (dB)	VSWR (:1)
0.009	80.97	868.59
0.015	85.48	289.53
0.020	88.75	193.02
0.040	73.86	27.59
0.044	47.51	5.74
0.048	21.16	3.26
0.049	14.57	2.96
0.050	7.99	2.72
0.055	4.73	1.19
0.058	2.77	1.06
0.060	1.47	1.03
0.070	0.87	1.08
0.100	0.43	1.21
1.000	0.04	1.07
10.000	0.02	1.01
100.000	0.07	1.06
200.000	0.20	1.02
500.000	0.46	1.16
1000.000	0.96	1.13





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.
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