LUMPED LC COAXIAL

High Pass Filter

ZFHP-0R055-S+

50Ω 0.07 to 1000 MHz SMA Female

KEY FEATURES

- Wideband, 0.07 MHz to 1000 MHz
- Good Return Loss, 26 Typ @ Passband.
- High Rejection
- Rugged Shielded Case



Generic photo used for illustration purposes only

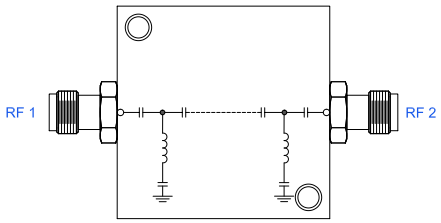
APPLICATIONS

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

PRODUCT OVERVIEW

Mini-Circuits' ZFHP-0R055-S+ is a High pass filter in a fabricated using connectorized package. This filter offers low insertion loss and good rejection. This will find its applications in transmitter and receivers.

FUNCTIONAL DIAGRAM



ELECTRICAL SPECIFICATIONS AT +25°C

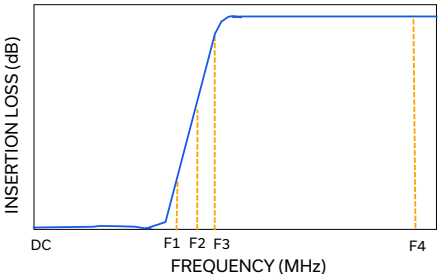
Parameter		F#	Frequency (MHz)	Min.	Typ.	Max.	Units
Passband	Insertion Loss	F3-F4	0.07 - 1000	—	—	1.6	dB
	Freq. Cut-Off	Fc	0.055	—	3	—	dB
	Return Loss	F3-F4	0.07 - 1000	—	26	—	dB
Stopband	Rejection	DC-F1	DC - 0.04	40	—	—	dB
		DC-F2	DC - 0.044	20	—	—	

ABSOLUTE MAXIMUM RATINGS[1]

Parameter	Ratings
Operating Temperature	-40°C to +85°C
Storage Temperature	-55°C to +100°C
Input Power	1m W @ 25°C

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

TYPICAL FREQUENCY RESPONSE



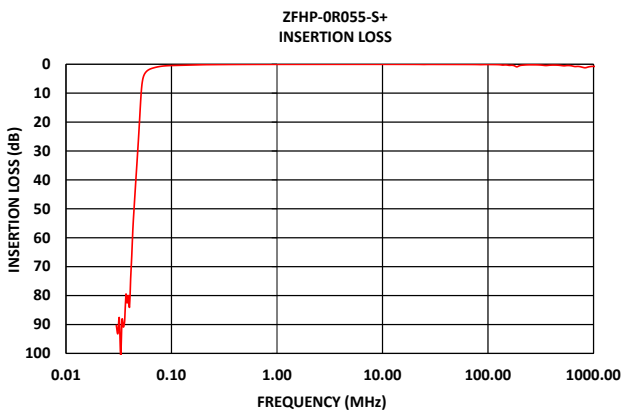
REV. C
ECO-031106
ZFHP-0R055-S+
MCINU
260910

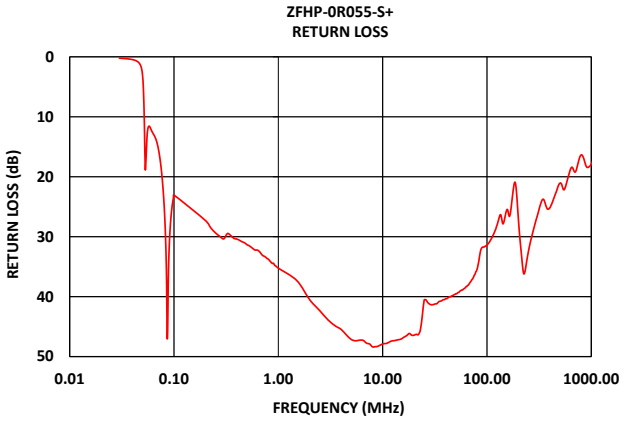
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TYPICAL PERFORMANCE GRAPHS





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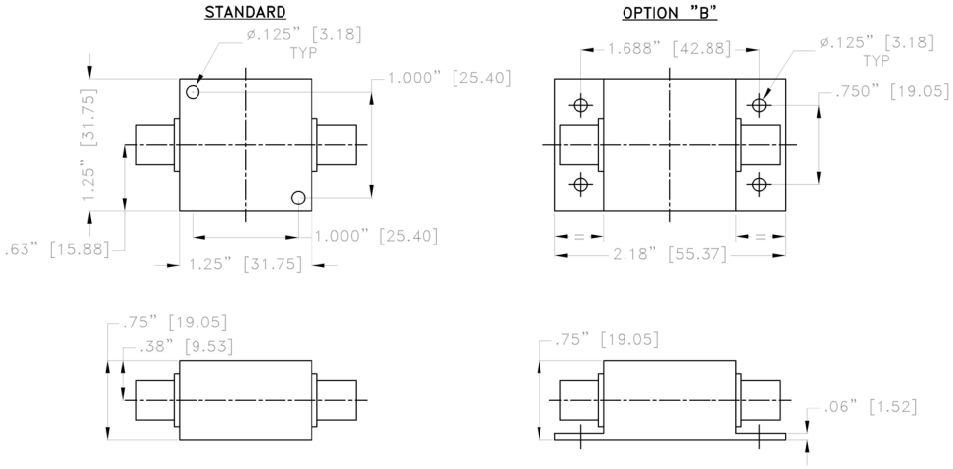
50Ω 0.07 to 1000 MHz SMA Female

CONNECTOR DESCRIPTION

Function	Connector
RF1[2]	SMA Female
RF2[2]	SMA Female

2. This filter is bi-directional, RF1 and RF2 ports may be interchanged, see S-Parameters for actual performance.

CASE STYLE DRAWING



Weight: 70g
Dimensions are in inches (mm). Tolerances: 2Pl. ± .03; 3Pl. ± .015

PRODUCT MARKING*: ZFHP-0R055-S+

*Marking may contain other features or characters for internal lot control.

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ADDITIONAL INFORMATION IS AVAILABLE ON OUR DASHBOARD CLICK HERE

Performance Data & Graphs	Data Graphs S-Parameter (S2P Files) Data Set (.zip file)
Case Style	H16
RoHS Status	Compliant
Environmental Ratings	ENV46

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-Circuits' 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/terms/viewterm.html