Coaxial

High Pass Filter

ZFHP-0R12+

50Ω 0.12 to 1000 MHz

CASE STYLE: H16

The Big Deal

- Low insertion loss
- High rejection
- Connectorized package

Product Overview

ZFHP-0R12+ is a High pass filter in a connectorized package. This low frequency cut-off high pass filter eliminates noise that feed into RF / base band circuits from low frequency sources.

Key Features

Feature	Advantages
Low insertion loss	Can be used in high performance applications.
Excellent low frequency rejection	Filters out low frequency noise from sources such as electric motors and generators. SMDS noise filtering and IF noise filtering.
Connectorized package	The connectorized package is easy to interface with other devices and well suited for test setups.

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Connectors	Model
SMA-FEMALE	ZFHP-0R12-S+
BRACKET (OPTION "B")	

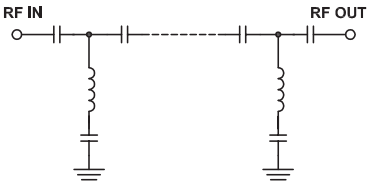
Features

- Wide band, 0.12 MHz to 1000 MHz
- High rejection
- Connectorized package

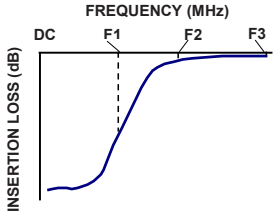
Applications

- Wire-line broad band access
- Fiber optic networks
- Receivers \ transmitters
- Radio navigation
- Fixed maritime mobile
- Electrical equipment noise elimination

Functional Schematic



Typical Frequency Response



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

Electrical Specifications at 25°C

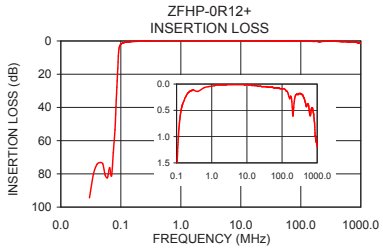
Parameter		F#	Frequency (MHz)	Min.	Typ.	Max.	Unit
Stop Band	Rejection Loss	DC-F1	DC-0.050	25	40	-	dB
	VSWR	DC-F1	DC-0.050	-	54	-	:1
Pass Band	Insertion Loss	F2-F3	0.12-1000	-	1.4	2.2	dB
	VSWR	F2-F3	0.12-1000	-	1.5	-	:1

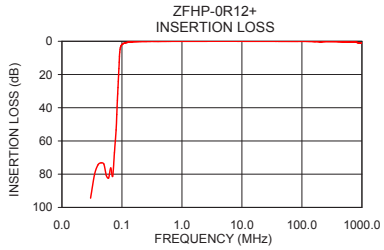
Maximum Ratings	
Operating Temperature	-40°C to 85°C
Storage Temperature	-55°C to 100°C
RF Power Input	+5 dBm max.

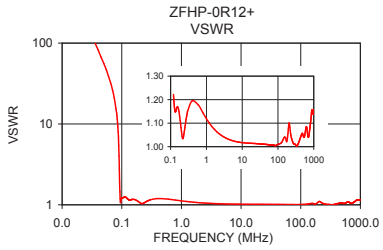
Permanent damage may occur if any of these limits are exceeded.

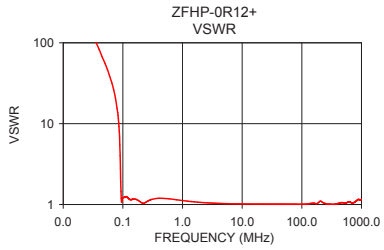
Typical Performance Data at 25°C

Frequency (MHz)	Insertion Loss (dB)	VSWR (:1)
0.030	94.42	124.09
0.050	73.93	56.04
0.082	44.09	13.70
0.085	31.66	10.37
0.087	24.11	8.01
0.090	12.63	4.02
0.092	6.54	1.92
0.096	2.96	1.09
0.100	2.00	1.22
0.120	0.75	1.22
0.600	0.07	1.18
1.000	0.04	1.12
10.000	0.01	1.02
50.000	0.06	1.01
100.000	0.09	1.01
250.000	0.20	1.03
500.000	0.42	1.05
800.000	0.58	1.09
900.000	1.01	1.16
1000.000	1.20	1.16









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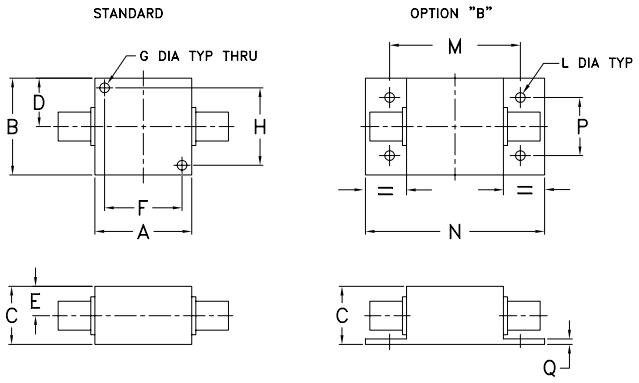
Coaxial Connections

INPUT	SMA-Female
OUTPUT	SMA-Female

Outline Drawing



Outline Dimensions (inch / mm)

A	B	C	D	E	F	G	H
.25	1.25	.75	.63	.38	1.000	.125	1.000
.75	31.75	19.05	16.00	9.65	25.40	3.18	25.40

J	K	L	M	N	P	Q	wt
--	--	.125	1.688	2.18	.750	.06	grams
--	--	3.18	42.88	55.37	19.05	1.52	70.0

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