Coaxial

High Pass Filter

ZFHP-1R2-S+

50Ω 1.2 to 800 MHz



Generic photo used for illustration purposes only

CASE STYLE: H16

The Big Deal

- Low insertion loss
- High rejection
- Connectorized package

Product Overview

ZFHP-1R2-S+ 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.

Notes
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Connectors	Model
SMA-FEMALE	ZFHP-1R2-S+
BRACKET (OPTION "B")	

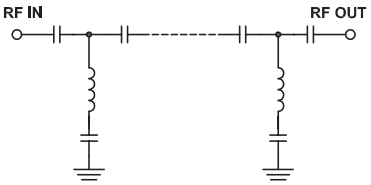
Features

- Wide band, 1.2 MHz to 800 MHz
- High rejection
- Connectorized package

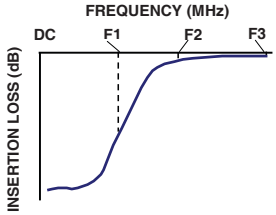
Applications

- Wire-line broad band access
- Fiber optic networks
- Receivers \ transmitters
- 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

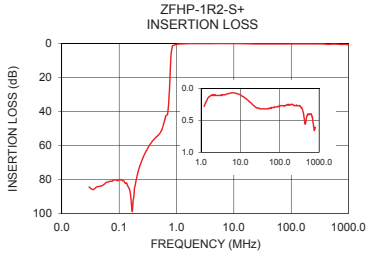
Parameter		F#	Frequency (MHz)	Min.	Typ.	Max.	Unit
Stop Band	Rejection Loss	DC-F1	DC-0.5	20	40	-	dB
	VSWR	DC-F1	DC-0.5	-	158	-	:1
Pass Band	Insertion Loss	F2-F3	1.2-800	-	0.8	2	dB
	VSWR	F2-F3	1.2-800	-	1.5	-	:1

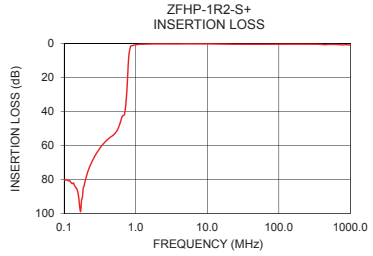
Maximum Ratings	
Operating Temperature	-40°C to 85°C
Storage Temperature	-55°C to 100°C
RF Power Input	+5 dBm max.

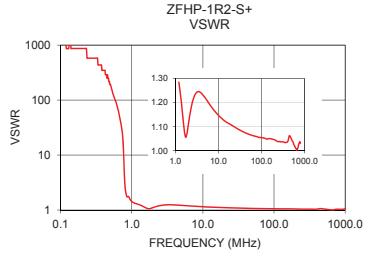
Permanent damage may occur if any of these limits are exceeded.

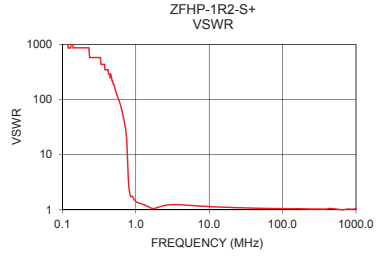
Typical Performance Data at 25°C

Frequency (MHz)	Insertion Loss (dB)	VSWR (:1)
0.030	84.50	1737.18
0.250	68.73	579.06
0.500	53.36	193.02
0.600	47.28	91.43
0.700	41.48	38.61
0.750	28.71	19.54
0.800	7.51	2.84
0.850	1.53	1.76
0.900	1.10	1.76
0.950	0.74	1.54
1.000	0.55	1.43
1.200	0.28	1.29
1.500	0.15	1.13
5.000	0.08	1.22
50.000	0.32	1.07
250.000	0.27	1.04
500.000	0.42	1.05
600.000	0.40	1.02
700.000	0.54	1.01
800.000	0.61	1.03









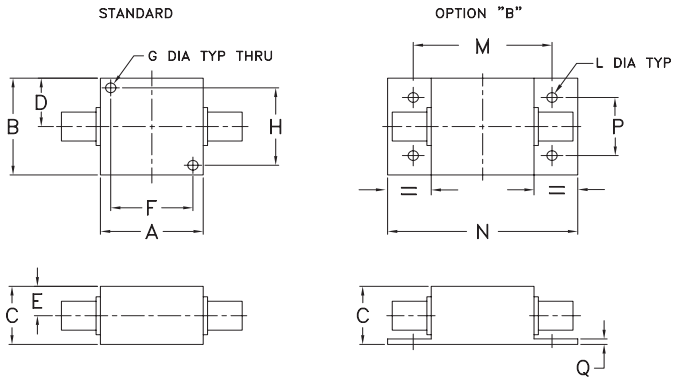
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Coaxial Connections

PORT - 1	SMA-Female
PORT - 2	SMA-Female

Outline Drawing



Outline Dimensions (inch / mm)

A	B	C	D	E	F	G	H
1.25	1.25	.75	.63	.38	1.000	.125	1.000
31.75	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

Note: Please refer to case style drawing for details

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