

High Pass Filter

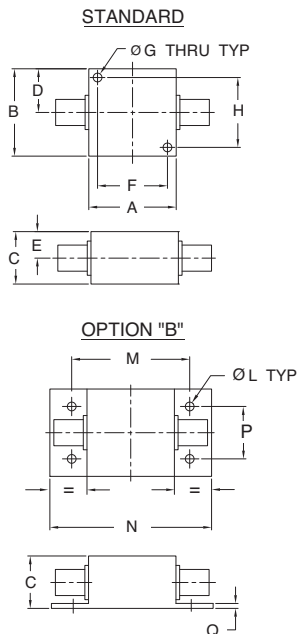
50Ω 0.07 to 1000 MHz

Maximum Ratings

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

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

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	

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

ZFHP-0R055+



CASE STYLE: H16

Connectors	Model	Price	Qty.
SMA-FEMALE BRACKET (OPTION "B")	ZFHP-0R055-S+	\$39.95 ea.	(1-9)
		\$5.00 ea.	(1+)

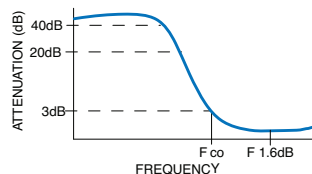
+RoHS Compliant

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

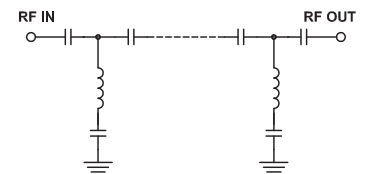
High Pass Filter Electrical Specifications (T_{AMB} = 25°C)

STOPBAND (MHz)		f _{co} , 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

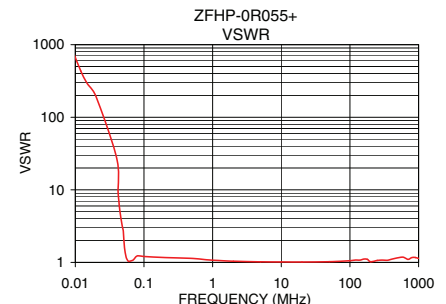
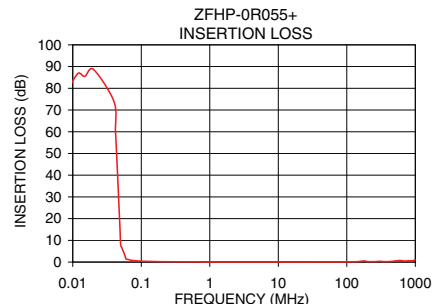


Functional Schematic



Typical Performance Data at 25°C

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



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