

Bandpass Filter

ZFBP13-75+

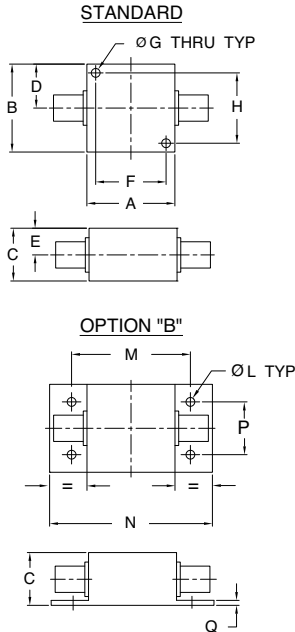
75Ω 12.3 to 13.8 MHz

Maximum Ratings

Operating Temperature	-40°C to 85°C
Storage Temperature	-55°C to 100°C
RF Power Input	0.5W 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	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	.75	.07	grams
--	--	3.18	42.88	55.37	19.05	1.78	70.00

Features

- Good VSWR, 1.25:1 Typ @ Passband
- Excellent Rejection in the Stopband

Applications

- IF Signal Processing
- High Rejection Application
- Wire-Line Broadband Access
- Lab Use



CASE STYLE: H16

Connectors	Model	Price	Qty.
BNC	ZFBP13-75+	\$59.95 ea.	(1-9)
BRACKET (OPTION "B")		\$2.50 ea.	(1+)

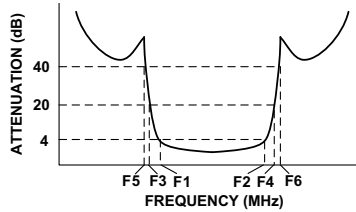
+ RoHS compliant in accordance with EU Directive (2002/95/EC)

The +Suffix has been added in order to identify RoHS Compliance. See our web site for RoHS Compliance methodologies and qualifications.

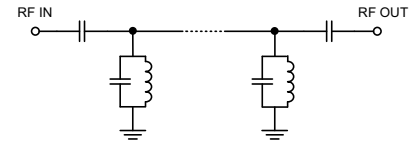
Bandpass Filter Electrical Specifications (T_{AMB} = 25°C)

CENTER FREQ. (MHz)	PASSBAND (MHz) (Loss < 4dB) F1 - F2	STOPBANDS (MHz)				VSWR (:1)	
		Loss > 20dB		Loss > 40dB		Passband Max.	Stopband Typ.
		F3	F4	F5	F6		
13	12.3 - 13.8	10.6	16	10	17.5 - 300	1.4	18

Typical Frequency Response

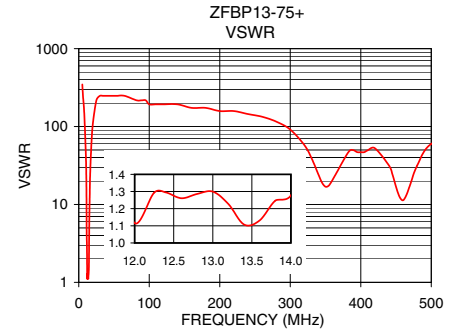
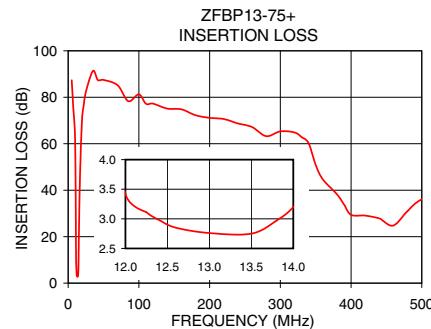


Functional Schematic



Typical Performance Data at 25°C

Frequency (MHz)	Insertion Loss (dB)	VSWR (:1)
5.0	87.34	347.44
10.0	57.83	45.72
10.6	39.87	25.94
10.8	30.57	18.90
11.0	19.01	10.13
11.2	9.35	4.25
12.3	3.11	1.29
13.0	2.76	1.30
13.8	2.97	1.25
14.0	3.20	1.28
14.6	7.73	2.87
15.0	16.86	6.91
15.5	27.53	12.80
16.0	36.14	20.95
17.0	49.40	39.49
17.5	54.55	48.26
20.0	72.27	108.58
50.0	87.48	248.17
100.0	81.25	193.02
200.0	71.14	157.93
300.0	65.31	91.43



P.O. Box 350166, Brooklyn, New York 11235-0003 (718) 934-4500 Fax (718) 332-4661 For detailed performance specs & shopping online see Mini-Circuits web site



The Design Engineers Search Engine Provides ACTUAL Data Instantly From MINI-CIRCUITS At: www.minicircuits.com

IF/RF MICROWAVE COMPONENTS

REV. OR
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EDR-7767U
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090611
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