

Band Pass Filter

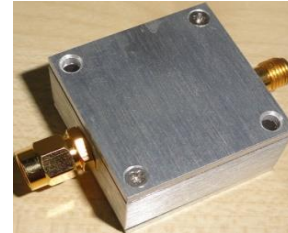
ZFBP-EDU2180

Coaxial

Important Note

This model has been designed, built and tested in our engineering department. Performance data represents model capability. At present it is a non-catalog model. On request, we can supply a final specification sheet, part number and price/delivery information.

Please click "Back", and then click "Contact Us" for Applications support.



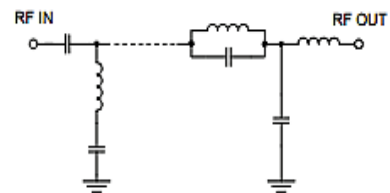
H16

ELECTRICAL SPECIFICATIONS 50Ω @ +25°C

Parameter	Min.	Typ.	Max.	Units
Passband (Loss < 1.5 dB)	5		70	MHz
Centre frequency		38		MHz
Low Band (Loss > 15 dB)	DC	4		MHz
High Band (Loss > 20 dB)		89	2000	MHz
Passband VSWR		1.5		(:1)
Stopband VSWR		18		(:1)

Functional Schematic

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



PIN CONNECTIONS

Input	SMA Male
Output	SMA Female

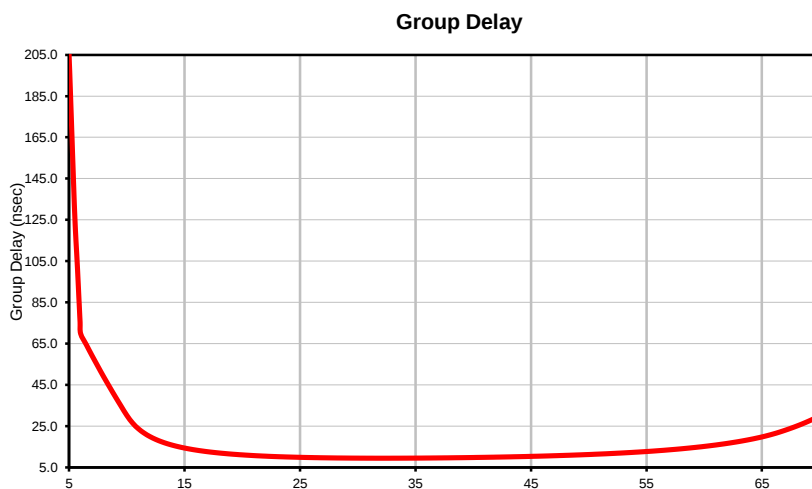
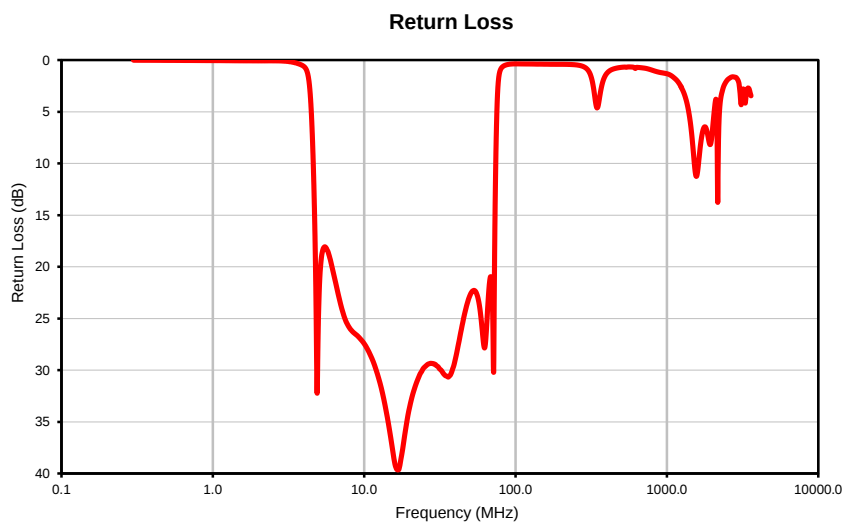
Coaxial Band Pass Filter

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Typical Performance Data

FREQUENCY (MHz)	INSERTION LOSS (dB)	RETURN LOSS (dB)	FREQUENCY (MHz)	GROUP DELAY (nsec)
0.30	31.80	0.01	5	204.60
0.35	30.49	0.01	10	30.24
1.30	20.78	0.05	15	14.40
3.90	20.58	0.50	20	11.09
4.00	23.81	0.61	22	10.47
4.55	3.25	7.23	24	10.06
4.60	2.49	9.23	26	9.79
5.00	0.74	24.72	28	9.61
25.00	0.19	29.73	30	9.52
38.00	0.21	30.14	32	9.48
70.00	0.84	22.12	34	9.50
74.20	2.74	9.59	36	9.57
74.50	3.21	8.19	38	9.67
78.70	20.57	1.15	40	9.82
79.90	30.97	0.88	42	10.00
80.00	32.11	0.87	44	10.23
89.00	31.66	0.42	46	10.51
200.00	42.24	0.40	48	10.86
350.00	59.52	4.54	50	11.27
500.00	73.04	0.70	55	12.72
850.00	60.66	1.10	60	15.19
1500.00	59.29	9.04	62	16.67
1750.00	58.44	6.60	65	19.80
2000.00	42.65	6.85	70	29.99

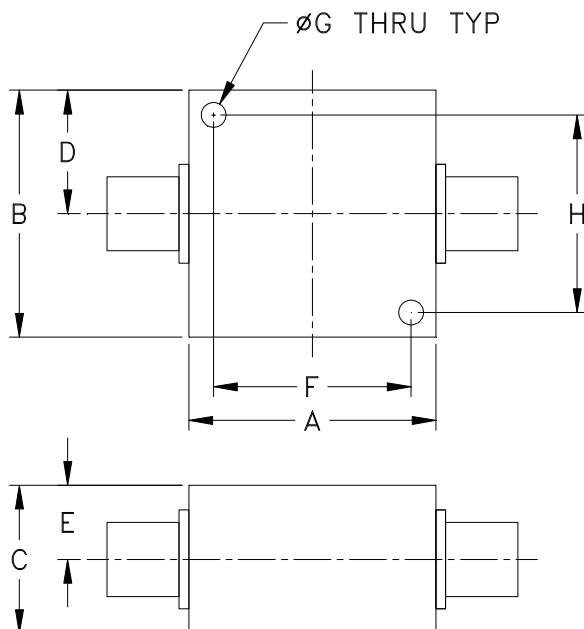
Typical Performance Curves



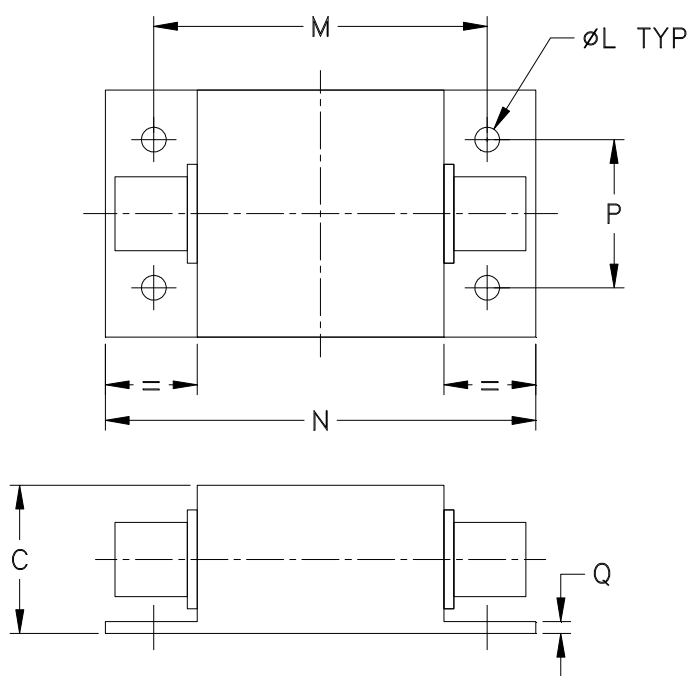
Outline Dimensions

H16

STANDARD



OPTION "B"



CASE#	A	B	C	D	E	F	G	H	J	K	L	M	N
H16	1.25 (31.75)	1.25 (31.75)	.75 (19.05)	.63 (16.00)	.38 (9.65)	1.000 (25.40)	.125 (3.18)	1.000 (25.40)	--	--	.125 (3.18)	1.688 (42.88)	2.18 (55.37)

CASE#	P	Q	WT.GRAMS
H16	.750 (19.05)	.06 (1.52)	70

Dimensions are in inches (mm). Tolerances: 2PL. $\pm .03$; 3PL. $\pm .015$

Notes:

1. Case material: Aluminum alloy.
2. Case finish:
For RoHS Case Styles: Clear chemical conversion coating, non-chrome or trivalent chrome based.
3. Mounting bracket available on request. Add suffix B to part number.
4. Bracket version, option B, dimension "C" changes from .75 to .94 inches when connectors are type N.
5. Refer to the individual model data sheet for the type of connectors available.



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



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