

# DB4001N Series (148-174 MHz)

## 5-inch Cavity Bandpass Filter

MODEL	DB4001N-1	DB4001N-2	DB4001N-3
<b>ELECTRICAL SPECIFICATIONS</b>			
Frequency Range, MHz	150-174	148-174	148-174
Number of Cavities	1	2	3
Isolation, dB	See curves	See curves	See curves
Insertion Loss, dB	0.5 to 2	1.0 to 4	1.5 to 6
Return Loss, dB	14	14	14
VSWR	1.5:1	1.5:1	1.5:1
Impedance, Ohms	50	50	50
<b>Power Rating, Watts</b>			
@ 0.5 dB Loss	275	275	275
@ 1.0 dB Loss	150	150	150
@ 2.0 dB Loss	100	100	100

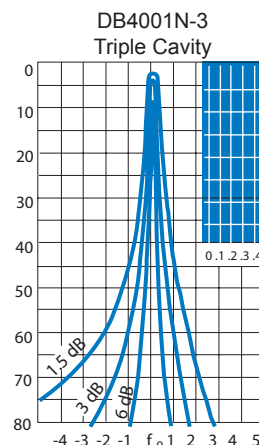
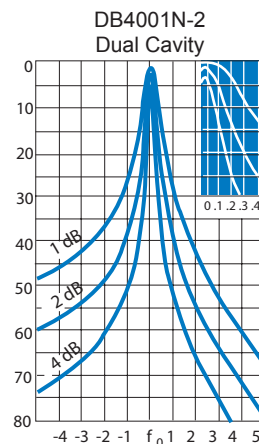
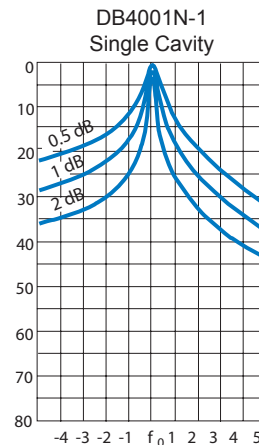
<b>MECHANICAL SPECIFICATIONS</b>	
Construction/Finish	Aluminum/Black
Input Connector	N(F)
Mounting	EIA 19-inch Rack (except one model)
Temperature Range, degrees	-30 to +60 C

<b>DIMENSIONS</b>			
Cavity Width, in(mm)	5.5 (135)	5.5 (135)	5.5 (135)
Width, in(mm)	5.5 (135)	19 (482.6)	19 (482.6)
Height, in(mm)	21 (533.4)	25 (635)	25 (635)
Height, RU	12	14.3	14.3
Depth, in(mm)	5.75 (146.1)	5.75 (146.1)	5.75 (146.1)
Net Weight, lb(kg)	5 (2.3)	13 (5.9)	20 (9.07)
Shipping Weight, lb(kg)	12 (5.4)	21 (9.5)	28 (12.7)

### FEATURES AND BENEFITS

- Adjustable selectivity.
- Frequency stability over a wide temperature range.
- Field proven construction and durability.
- Shipped factory tuned with ability to retune in the field.

### SELECTIVITY CURVE



DB4001N-1



DB4001N-2



DB4001N-3