

## DB4060 / DB4062 (138-174 MHz)

### 4 and 6 Cavity Bandpass Reject Duplexer

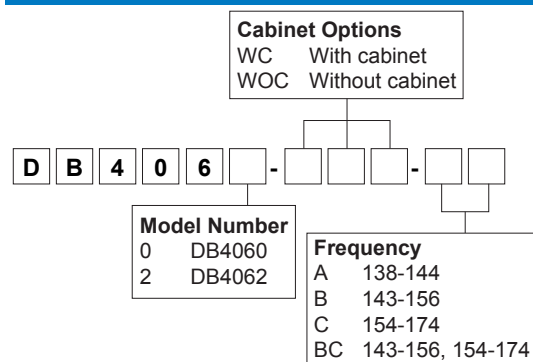
MODEL	DB4060	DB4062
<b>ELECTRICAL SPECIFICATIONS</b>		
Frequency Range, MHz	See Ordering Information	
Frequency Separation (min), kHz	500	300
Number of Cavities	4	6
Isolation, dB	80	100
Transmitter Loss, dB	1.5	2.2
Receiver Loss, dB	1.5	2.2
Return Loss, dB	14	14
Impedance, Ohms	50	50
Power Rating, Watts	250	250
<b>MECHANICAL SPECIFICATIONS</b>		
Construction/Finish	Aluminum/Black	Aluminum/Black
Input Connector	N(F)	N(F)
Mounting	EIA 19-inch Rack	EIA 19-inch Rack
Temperature Range, degrees	-30 to +60 C	-30 to +60 C
<b>DIMENSIONS</b>		
Cavity Diameter, in(mm)	8 (203)	8 (203)
Width, in(mm)	19.3 (489)	19.3 (489)
Height, in(mm)	34.5 (876.3)	34.5 (876.3)
Height (RU)	20	20
Depth, in(mm)	20.1 (511)	29 (736.6)
Net Weight, lb(kg)	105 (48)	130 (59)
Shipping Weight, lb(kg)	115 (52)	140 (63.5)

### FEATURES AND BENEFITS

- 80 or 100 dB transmitter noise attenuation at the receiver frequency.
- 4 cavity model DB4060 uses two transmitter and two receiver cavities.
- 6 cavity model DB4062 uses three transmitter and three receiver cavities.
- Either duplexer can couple two transmitters, two receivers or two simplex units into a common antenna with frequencies separated by 500 or 300 kHz or more.

Designed for VHF duplex systems that operate with close frequency spacing. Duplexer design consists of 8-inch diameter quarter-wave coaxial cavities. They are interconnected in a bandpass-band reject configuration using double shielded coaxial cable. An Invar rod, with nearly zero expansion, provides stability over a wide range of temperatures.

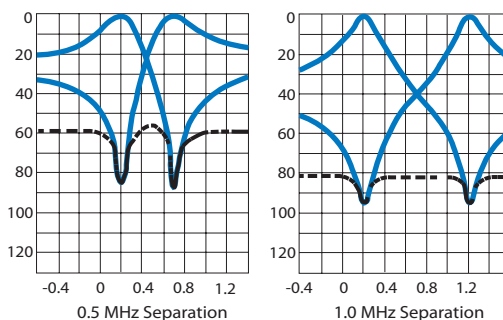
### ORDERING INFORMATION



DB4060-WOC  
Top View

### SELECTIVITY CURVE

DB4060 4-Cavity Duplexer



DB4062 6-Cavity Duplexer

