

DB3826 (450-512 MHz) UHF Dual Receive Window Filter

ELECTRICAL SPECIFICATIONS

Frequency Range, MHz	See Ordering Information
Pass Bandwidth, MHz*	2 to 4
Frequency Separation between passbands, MHz	6 minimum @ 450-470 MHz 3 minimum @ 470-512 MHz
Number of Resonators/Filters	8
Number of Channels	within bandwidth
Isolation, dB	> 35 ± 1 MHz from band edges
Insertion Loss (typ), dB	3.5
Return Loss (min), dB	14
VSWR	1.5:1
Impedance, Ohms	50

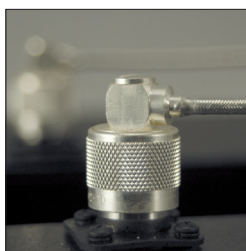
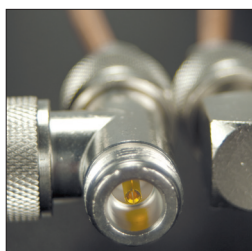
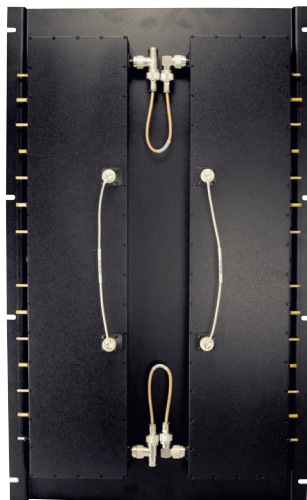
MECHANICAL SPECIFICATIONS

Construction/Finish	Copper/Black
Input Connector	N(F)
Mounting	EIA 19-inch Rack
Temperature Range, degrees	-30 to +60 C

DIMENSIONS

Width, in(mm)	19 (482.6)
Height, in(mm)	31.5 (800.1)
Height, RU	18
Depth, in(mm)	3.5 (88.9)
Net Weight, lb(kg)	34 (15.4)
Shipping Weight, lb(kg)	44 (20)

*Standard passbands: 456-460 MHz and 466-470 MHz. Other bands available upon request. Passbands can be optimized to meet customer requirements. Please contact dbSpectra Technical Support.



FEATURES AND BENEFITS

- Frequency stable over a wide temperature range.
- Side mounting on side of dbSpectra four-post open rack saves space.
- Excellent selectivity to protect receivers.
- Provides > 35 dB of isolation ± 1 MHz from edge of passband, >65 dB at 2 MHz.

PASS BANDWIDTH (MHz)

Model Number	Pass Bandwidth (MHz)
DB3826	Dual / 2 to 4
DB3826T	Dual / 2

Side or front mounting options for EIA 19-inch two-post rack.

ORDERING INFORMATION

Model Number	Frequency (MHz)	Mounting
DB3826-SM	450-470	Side Mount
DB3826-WP	450-470	With Panel
DB3826T-WP	470-512	With Panel

-SM mounts to side of 2-post rack.
-WP mounts to side of 4-post rack.

SELECTIVITY CURVE

