

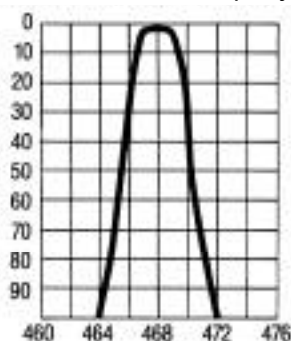
These multi-cavity SHAPE FACTORED FILTERS provide an essentially flat passband with a steep-sloped rejection characteristic to isolate undesired out-of-band frequencies.

- **Primary Application** – Filters go between an Rx multicoupler and an antenna to prevent IM and Rx desensitization caused by nearby Tx.
- **Other Uses** – Between a Tx and a combiner to reduce interference caused by Tx noise.
- **2 MHz Passband** – DB4177W has eight quarter wave cavities on two panels and provides a passband of 2 MHz.
- **Field Retunable** – Can be accomplished with appropriate sweep frequency equipment.
- **IM Protection** – Now, silver-plated connectors reduce the potential for IM generation.
- **Frequency Stable** – An Invar rod, with nearly zero expansion, assures frequency stability over a wide temperature range.
- **Mounting** – On two standard panels for 19" (482.6 mm) rack mounting.

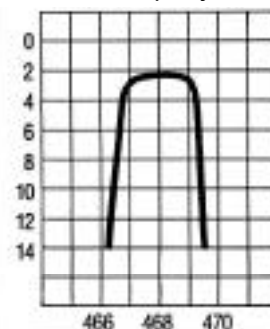


DB4177

DB4177 Attenuation-dB vs. Frequency-MHz



DB4177 Passband Insertion Loss-dB vs. Frequency-MHz



#### Ordering Information

Model Number	Frequency-MHz
DB4177W	450-470

#### Electrical Data

	DB4177W
Frequency Ranges – MHz	See Table
Maximum power input (continuous duty) – watts	300
Passband – MHz	2 or less
Insertion loss – dB	2 nominal
Attenuation at $\pm 5$ MHz from center pass frequency – dB	> -90
Temperature range – C°	-30 to +60
Number of cavity filters	8

#### Mechanical Data

	DB4177W
Dimensions (DxWxH) – in. (mm)	10.5 (266.7)x 19 (482.6)x 10.5 (266.7)
Mounting (rack mount) – in. (mm)	19 (482.6)
Connector terminations	N-Female
Finish	Decibel Tek Black™
Net weight – lbs. (kg)	21.5 (9.8)