

# WZ-Series Filters



## Key Features

- Ideal for high power transmit filters as well as pre-select filters for low Noise Figure.
- Resonators have extremely high Q factor, allowing for very low insertion loss.
- Low insertion loss and structure design allows for higher power handling than any other waveguide filter.
- Very good spurious response compared to other higher order mode filters.

## WZ-SERIES VS STANDARD WAVEGUIDE FILTERS

- Comparison between Exceed Microwave's WZ-Series filter against a standard waveguide filter which is an H-plane Iris Coupled Filter.
- The two filters are both WR15 V-band filters designed for the same exact frequency, pass-band, and number of sections.
- The insertion loss of the WZ-Series filter is less than half of the standard filter.
- Near band rejection performance of both filters are nearly identical.

	WZ-Series	Standard
Q-Factor @59GHz	6000	2500
Insertion Loss	0.5dB	1.2dB
Spurious Performance	Good	Very good