

## WAVEGUIDE FILTER (FIBER OPTIC APPLICATIONS)

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These filters have a removable center plug, surrounded by either six or twelve waveguide bores. When the center plug is removed, connectorized cables can be inserted into the peripheral cable-sized slots. Additionally, the waveguide bore diameter-to-length ratio have been optimized to ensure high attenuation.

### Key Features

- Exceeds NSA 65-6/NSA 94-106 Shielding Applications
- Central Plug Bore Accommodates ST and SMA Connectors
- All Connectors can be Installed into a Shielded Enclosure while Maintaining 100 dB Attenuation at 18 GHz

### Features

#### Performance

Theoretical Attenuation: WGF-6 (Part no. 554260)

| GHz | dB     |
|-----|--------|
| 25  | 63.32  |
| 18  | 131.59 |
| 15  | 147.63 |
| 10  | 165.77 |
| 0.1 | 179.02 |

Theoretical Attenuation: WFG-12 (Part no. 554772)

| GHz | dB      |
|-----|---------|
| 25  | 60.32   |
| 20  | 114.91  |
| 18  | 128.59  |
| 15  | 144.63  |
| 10  | 162.777 |
| 0.1 | 176.02  |

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