

**PRODUCT LINE:**  
Wave Guide Filter

Accepts up to 6 fiber optic cables



**WGF-2550**

## FEATURES

- The waveguide bore diameter to length ratio have been optimized to assure high attenuation.
- Fits holes previously made for DB-25 connectors.

## DESCRIPTION

The WGF-2550 accepts up to six fiber optic cables and is sized to fit holes previously made for DB-25 connectors. It provides a means of bringing fiber optic cables into a shielded enclosure while maintaining the enclosure's radio frequency isolation integrity.

Theoretical Attenuation	
GHz	dB
30	62.58
25	134.91
18	185.15
15	199.03
10	215.32
5	224.54
0.1	227.54

<b>SPECIFICATIONS</b>	
Material	Aluminum
Effective Length	1.625"
Waveguide Bore Diameter	0.221"
Cut-Off Frequency	31.4 GHz

<b>Installation Instructions</b>
<ol style="list-style-type: none"><li>1. Open the Wave Guide package and verify the contents:<ul style="list-style-type: none"><li>1 - WGF-2550 body</li><li>1 - RFI gasket</li><li>2 - pan head screw, 4-40 x 3/8"</li><li>2 - lock washers, #4</li></ul></li><li>2. Clean and de-burr area around mounting hole to insure suitable electrical contact and tight seal with waveguide mounting surface.</li><li>3. Slide the RFI gasket over the WGF-2550 body.</li><li>4. Slide the WGF-2550 through the mounting hole.</li><li>5. Secure with screws and lock washers supplied.</li><li>6. Install fiber optic cables through the waveguide bores.</li></ol>