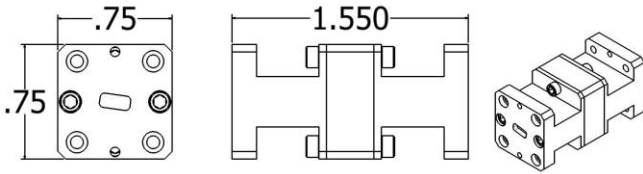


# FR188-599

WR-19 waveguide isolator

- ◆ Anti-cocking waveguide flanges
- ◆ Comprehensive test data
- ◆ Lowest insertion loss
- ◆ High isolation
- ◆ Compact size
- ◆ Diamond heatsinks
- ◆ Resist stray magnetic fields
- ◆ Internal waveguide screw access



## Specifications

|                          |                    |
|--------------------------|--------------------|
| Flange†                  | WR-19<br>UG-599/U† |
| Frequency (GHz)          | 40-60              |
| Insertion Loss (dB, avg) | 0.5                |
| Insertion Loss (dB, max) | 1.3                |
| Isolation (dB, typ min)  | 25                 |
| Input RL (dB, typ min)   | 19                 |
| Output RL (dB, typ min)  | 19                 |
| VSWR (typ max)           | 1.25:1             |
| Max Reverse Power (W)    | 4.3                |
| Diamond Heatsink         | Yes                |

Test data measured and synthesized using WR-28 and WR-15 extenders with tapers  
 †Outfitted with non-standard 599/U flange

Every isolator is tested on a vector network analyzer to verify performance and the test data is provided.

