

.Waveguide Bends and Twists

OWB/OWT

Characteristics

- → 30°, 45°, 60° and 90° Bends
- ♦ 45° and 90° Twists
- **♦** Minimum Insertion Loss



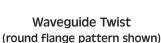
Product Description

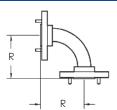
QuinStar Technology's **QWB** and **QWT** series **waveguide bends and twists** cover the frequency range of 18 to 220 GHz in ten waveguide bands. E-Plane and H-Plane formed bends are available with angles of 30°, 45°, 60°, and 90°. The twists allow changing the orientation in a waveguide

assembly. They are available with angles of 45° in either a left- or right-hand twist or a standard 90° . The bends and twists are built with high precision and then gold plated for low insertion loss and high corrosion resistance. Typical VSWR is 1.10:1 over entire frequency band.

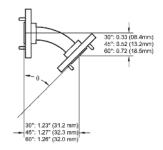
Outline Drawings/Mechanical Specifications







Right Angle



Waveguide Bends (round flange pattern shown)

FREQUENCY BAND	K	Ka	Q, U	V, E, W, F, D, G
Waveguide Size	WR-42	WR-28	WR-22, -19	WR-15, -12, -10, -8, -6, -5
Twist Length, inches/mm	2.5/63.5	1.75/44.5	1.25/31.8	1.00/25.4
Right Angle (90°) Bend Radius, inch/mm	1.5/38.1	1.5/38.1	1.5/38.1	1.0/25.4

Ordering Information

