



Twistable and flexible rectangular waveguide R100, with PBR/PBR 100 flanges. Length = 0.9m, core with environmental impact resistant molded rubber jacket. Hardware and gasket (for PDR/PBR flanges) included.

FEATURES / BENEFITS

Waveguide installation

- The flexible and twistable rectangular waveguide component eliminates installation difficulties
- It isolates vibration
- It provides simple aid to positioning of antennas

**Technical features****STRUCTURE**

| | | |
|---|--|-----------------|
| Type of Rectangular Waveguide Component | | TwistFlex |
| Waveguide Size IEC (EIA) | | R100 (WR90) |
| Flange A | | PBR100 |
| Flange B | | PBR100 |
| Flange Finish | | Brass un-plated |
| Package Quantity | | 1 |

ELECTRICAL SPECIFICATIONS

| | | |
|---------------------------------|-----------|-------------|
| Frequency Range | GHz | 8.2 - 12.5 |
| Minimum Return Loss (max. VSWR) | dB (VSWR) | 26.4 (1.10) |
| Attenuation | dB | 0.36 |
| Power rating | W | 1000 |

MECHANICAL SPECIFICATIONS

| | | |
|--------------------------------|----------------------|------------|
| Maximum Twist | degree/m (degree/ft) | 230 (70) |
| Minimum Bending Radius E-Plane | mm (in) | 44 (1.7) |
| Minimum Bending Radius H-Plane | mm (in) | 63 (2.5) |
| Length | mm (in) | 900 (35.4) |
| Weight | kg (lb) | 0.72 (0) |

MATERIAL

| | | |
|----------|--|---|
| Material | | Core: Brass silver plated Jacket: Rubber Silicone Flange: Brass |
| Color | | Black |

External Document Links

[AN 030707-8 Application note for RFS Twistflex](#)

Notes