



Twistable and flexible rectangular waveguide R48, with PDR/UDR 48 flanges. Length = 1.2m, 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)                |  | R48 (WR187)     |
| Flange A                                |  | PDR48           |
| Flange B                                |  | UDR48           |
| Flange Finish                           |  | Brass un-plated |
| Package Quantity                        |  | 1               |

**ELECTRICAL SPECIFICATIONS**

|                                 |           |             |
|---------------------------------|-----------|-------------|
| Frequency Range                 | GHz       | 3.95 - 5.85 |
| Minimum Return Loss (max. VSWR) | dB (VSWR) | 27.3 (1.09) |
| Attenuation                     | dB        | 0.2         |
| Power rating                    | W         | 3000        |

**MECHANICAL SPECIFICATIONS**

|                                |                      |             |
|--------------------------------|----------------------|-------------|
| Maximum Twist                  | degree/m (degree/ft) | 82 (25)     |
| Minimum Bending Radius E-Plane | mm (in)              | 165 (6.5)   |
| Minimum Bending Radius H-Plane | mm (in)              | 330 (13)    |
| Length                         | mm (in)              | 1200 (47.2) |

**MATERIAL**

|          |  |  |
|----------|--|--|
| Material |  | Core: Brass silver plated<br>Jacket: Vulcanised Neoprene Rubber<br>Flange: Brass |
| Color    |  | Black  |

**External Document Links**

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

**Notes**