



Twistable and flexible rectangular waveguide R48, with PDR/UDR 48 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) | | 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 | 0.15 |
| 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) | 900 (35.4) |

MATERIAL

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

External Document Links

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

Notes