



Twistable and flexible rectangular waveguide R220, with PBR/UBR 220 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)                |  | R220 (WR42)     |
| Flange A                                |  | PBR220          |
| Flange B                                |  | UBR220          |
| Flange Finish                           |  | Brass un-plated |
| Package Quantity                        |  | 1               |

**ELECTRICAL SPECIFICATIONS**

|                                 |           |             |
|---------------------------------|-----------|-------------|
| Frequency Range                 | GHz       | 17.6 - 26.7 |
| Minimum Return Loss (max. VSWR) | dB (VSWR) | 20.8 (1.20) |
| Attenuation                     | dB        | 1.08        |
| Power rating                    | W         | 100         |

**MECHANICAL SPECIFICATIONS**

|                                |                      |             |
|--------------------------------|----------------------|-------------|
| Maximum Twist                  | degree/m (degree/ft) | 360 (110)   |
| Minimum Bending Radius E-Plane | mm (in)              | 35 (1.4)    |
| Minimum Bending Radius H-Plane | mm (in)              | 64 (2.5)    |
| Length                         | mm (in)              | 900 (35.4)  |
| Weight                         | kg (lb)              | 0.33 (0.73) |

**MATERIAL**

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

**External Document Links**

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

**Notes**