



Twistable and flexible rectangular waveguide R120, with PBR/UBR 120 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)                |  | R120 (WR75)     |
| Flange A                                |  | PBR120          |
| Flange B                                |  | UBR120          |
| Flange Finish                           |  | Brass un-plated |
| Package Quantity                        |  | 1               |

**ELECTRICAL SPECIFICATIONS**

|                                 |           |             |
|---------------------------------|-----------|-------------|
| Frequency Range                 | GHz       | 10 - 15     |
| Minimum Return Loss (max. VSWR) | dB (VSWR) | 24.9 (1.12) |
| Attenuation                     | dB        | 0.45        |
| Power rating                    | W         | 750         |

**MECHANICAL SPECIFICATIONS**

|                                |                      |            |
|--------------------------------|----------------------|------------|
| Maximum Twist                  | degree/m (degree/ft) | 180 (54.9) |
| Minimum Bending Radius E-Plane | mm (in)              | 65 (2.6)   |
| Minimum Bending Radius H-Plane | mm (in)              | 115 (4.5)  |
| Length                         | mm (in)              | 900 (35.4) |

**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 Technologies Twistflex](#)

Notes