



Twistable and flexible rectangular waveguide R120, with PDR/UDR 120 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)                |  | R120 (WR75)     |
| Flange A                                |  | PDR120          |
| Flange B                                |  | UDR120          |
| 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        | 0.6         |
| 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)              | 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 Technologies Twistflex

#### Notes