PRODUCT DATASHEET

# TF100-BB1-090M

TwistFlex PBR/PBR100, 0.9m

Twistable and flexible rectangular waveguide R100,
with PBR/PBR 100 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)** | | R100 (WR90) |
| **Flange A** | | PBR100 |
| **Flange B** | | PBR100 |
| **Flange Finish** | | Brass un-plated |
| **Package Quantity** | | 1 |

### ELECTRICAL SPECIFICATIONS

| | | |
|---|---|---|
| **Frequency Range** | GHz | 8.2 - 12.4 |
| **Minimum Return Loss (max. VSWR)** | dB (VSWR) | 26.4 (1.10) |
| **Attenuation** | dB | 0.36 |
| **Power rating** | W | 1000 |

### MECHANICAL SPECIFICATIONS

| | | |
|---|---|---|
| **Maximum Twist** | degree/m (degree/ft) | 156 (47.6) |
| **Minimum Bending Radius E-Plane** | mm (in) | 66 (2.6) |
| **Minimum Bending Radius H-Plane** | mm (in) | 130 (5.1) |
| **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



All values nominal unless tolerances provided; information contained in the present datasheet is subject to confirmation at time of ordering