

# F112KMS5

---



FlexTwist® Flexible Twist for WR112, 7.05–10.0 GHz, with interface types PBR84 and UBR84, 1200 mm

## Product Classification

|                      |                                       |
|----------------------|---------------------------------------|
| <b>Product Type</b>  | Rectangular waveguide, flexible twist |
| <b>Product Brand</b> | FlexTwist®                            |

## General Specifications

|                    |                |
|--------------------|----------------|
| <b>Component</b>   | Flexible Twist |
| <b>Interface</b>   | PBR84          |
| <b>Interface 2</b> | UBR84          |

## Dimensions

|                       |                     |
|-----------------------|---------------------|
| <b>Length</b>         | 1200 mm   47.244 in |
| <b>Waveguide Size</b> | WR112   WG15   R84  |

## Electrical Specifications

|                                 |                        |
|---------------------------------|------------------------|
| <b>Attenuation</b>              | 0.4 dB/m   0.122 dB/ft |
| <b>Average Power</b>            | 1260 W                 |
| <b>Operating Frequency Band</b> | 7.05 – 10.0 GHz        |
| <b>Peak Power</b>               | 315 kW                 |
| <b>VSWR</b>                     | 1.13                   |

## Mechanical Specifications

|  |                                  |
|--|----------------------------------|
| <b>Minimum Bend Radius, Multiple Bends (E Plane)</b> | 76 mm   2.992 in                 |
| <b>Minimum Bend Radius, Multiple Bends (H Plane)</b> | 152 mm   5.984 in                |
| <b>Maximum Twist</b>                                 | 264 °/m   80.467 °/ft            |
| <b>Pressurization, maximum</b>                       | 0.241 N/mm <sup>2</sup>   35 psi |

# F112KMS5

---

## Regulatory Compliance/Certifications

### Agency

### Classification

CHINA-ROHS

Above maximum concentration value

ISO 9001:2015

Designed, manufactured and/or distributed under this quality management system

ROHS

Compliant/Exempted

UK-ROHS

Compliant/Exempted

