

# F090HHB1

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FlexTwist® Flexible Twist for WR90, 10.7–11.7 GHz, with interface types PDR100 and PDR100, 300 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>   | PDR100         |
| <b>Interface 2</b> | PDR100         |

## Dimensions

|                       |                    |
|-----------------------|--------------------|
| <b>Length</b>         | 300 mm   11.811 in |
| <b>Waveguide Size</b> | WR90   WG16   R100 |

## Electrical Specifications

|                                 |                         |
|---------------------------------|-------------------------|
| <b>Attenuation</b>              | 0.43 dB/m   0.131 dB/ft |
| <b>Average Power</b>            | 960 W                   |
| <b>Operating Frequency Band</b> | 10.7 – 11.7 GHz         |
| <b>Peak Power</b>               | 180 kW                  |
| <b>VSWR</b>                     | 1.05                    |

## Mechanical Specifications

|  |                                 |
|--|---------------------------------|
| <b>Minimum Bend Radius, Multiple Bends (E Plane)</b> | 64 mm   2.52 in                 |
| <b>Minimum Bend Radius, Multiple Bends (H Plane)</b> | 127 mm   5 in                   |
| <b>Maximum Twist</b>                                 | 310 °/m   94.488 °/ft           |
| <b>Pressurization, maximum</b>                       | 0.31 N/mm <sup>2</sup>   45 psi |

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## Regulatory Compliance/Certifications

### Agency

### Classification

CHINA-ROHS

Below maximum concentration value

ISO 9001:2015

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

REACH-SVHC

Compliant as per SVHC revision on [www.commscope.com/ProductCompliance](http://www.commscope.com/ProductCompliance)

ROHS

Compliant

UK-ROHS

Compliant

