

# F075HLS3

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FlexTwist® Flexible Twist for WR75, 10.0–15.0 GHz, with interface types PDR120 and UDR120, 900 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>   | PDR120         |
| <b>Interface 2</b> | UDR120         |

## Dimensions

|                       |                    |
|-----------------------|--------------------|
| <b>Length</b>         | 900 mm   35.433 in |
| <b>Waveguide Size</b> | WR75   WG17   R120 |

## Electrical Specifications

|                                 |                        |
|---------------------------------|------------------------|
| <b>Attenuation</b>              | 0.59 dB/m   0.18 dB/ft |
| <b>Average Power</b>            | 750 W                  |
| <b>Operating Frequency Band</b> | 10.0 – 15.0 GHz        |
| <b>Peak Power</b>               | 140 kW                 |
| <b>VSWR</b>                     | 1.1                    |

## 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> | 115 mm   4.528 in               |
| <b>Maximum Twist</b>                                 | 360 °/m   109.728 °/ft          |
| <b>Pressurization, maximum</b>                       | 0.31 N/mm <sup>2</sup>   45 psi |

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## Regulatory Compliance/Certifications

**Agency**

ISO 9001:2015

**Classification**

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