

# F042KKS1

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FlexTwist® Flexible Twist for WR42, 17.7–26.5 GHz, with interface types PBR220 and PBR220, 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>	PBR220
<b>Interface 2</b>	PBR220

## Dimensions

<b>Length</b>	300 mm   11.811 in
<b>Waveguide Size</b>	WR42   WG20   R220

## Electrical Specifications

<b>Attenuation</b>	2.62 dB/m   0.799 dB/ft
<b>Average Power</b>	100 W
<b>Operating Frequency Band</b>	17.7 – 26.5 GHz
<b>Peak Power</b>	39 kW
<b>VSWR</b>	1.2

## Mechanical Specifications

<b>Minimum Bend Radius, Multiple Bends (E Plane)</b>	38 mm   1.496 in
<b>Minimum Bend Radius, Multiple Bends (H Plane)</b>	76 mm   2.992 in
<b>Maximum Twist</b>	510 °/m   155.448 °/ft
<b>Pressurization, maximum</b>	0.31 N/mm <sup>2</sup>   45 psi

## Regulatory Compliance/Certifications

**Agency**

ISO 9001:2015

**Classification**

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