

# F137HLS1

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FlexTwist® Flexible Twist for WR137, 5.85–8.2 GHz, with interface types PDR70 and UDR70, 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>	PDR70
<b>Interface 2</b>	UDR70

## Dimensions

<b>Length</b>	300 mm   11.811 in
<b>Waveguide Size</b>	WR137   WG14   R70

## Electrical Specifications

<b>Attenuation</b>	0.3 dB/m   0.091 dB/ft
<b>Average Power</b>	2000 W
<b>Operating Frequency Band</b>	5.85 – 8.2 GHz
<b>Peak Power</b>	500 kW
<b>VSWR</b>	1.1

## Mechanical Specifications

<b>Minimum Bend Radius, Multiple Bends (E Plane)</b>	102 mm   4.016 in
<b>Minimum Bend Radius, Multiple Bends (H Plane)</b>	204 mm   8.031 in
<b>Maximum Twist</b>	214 °/m   65.227 °/ft
<b>Pressurization, maximum</b>	0.207 N/mm <sup>2</sup>   30 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

