

# F090CCS5



FlexTwist® Flexible Twist for WR90, 8.2–12.4 GHz, with interface types CPR90G and CPR90G, 1200 mm

## Product Classification

|               |                                       |
|---------------|---------------------------------------|
| Product Type  | Rectangular waveguide, flexible twist |
| Product Brand | FlexTwist®                            |

## General Specifications

|             |                |
|-------------|----------------|
| Component   | Flexible Twist |
| Interface   | CPR90G         |
| Interface 2 | CPR90G         |

## Dimensions

|                |                     |
|----------------|---------------------|
| Length         | 1200 mm   47.244 in |
| Waveguide Size | WR90   WG16   R100  |

## Electrical Specifications

|                          |                         |
|--------------------------|-------------------------|
| Attenuation              | 0.43 dB/m   0.131 dB/ft |
| Average Power            | 960 W                   |
| Operating Frequency Band | 8.2 – 12.4 GHz          |
| Peak Power               | 180 kW                  |
| VSWR                     | 1.13                    |

## Mechanical Specifications

|   |                       |
|---|-----------------------|
| Minimum Bend Radius, Multiple Bends (E Plane) | 64 mm   2.52 in       |
| Minimum Bend Radius, Multiple Bends (H Plane) | 127 mm   5 in         |
| Maximum Twist                                 | 310 °/m   94.488 °/ft |
| Pressurization, maximum                       | 0.31 N/mm²   45 psi   |

## 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 <a href="http://www.andrew.com/ProductCompliance">www.andrew.com/ProductCompliance</a> |
| ROHS          | Compliant  |
| UK-ROHS       | Compliant  |

