

143SC

Fixed-tuned UG-149/U for elliptical waveguide 43

General Specifications

| | |
|----------------|-----------------------|
| Body Style | Straight, fixed-tuned |
| Interface | UG-149/U |
| Waveguide Size | WR187 WG12 R48 |
| Brand | HELIAX® |
| Material Type | Brass |

Electrical Specifications

| | |
|--------------------------|----------------------|
| Operating Frequency Band | 4.4 – 5.0 GHz |
| Insertion Loss, typical | 0.01 dB |
| Peak Power, maximum | 187.00 kW @ 4.70 GHz |

Mechanical Specifications

| | |
|-----------------------|------------------------|
| Attachment Method | Tab-flare Tool-flare |
| Inner Contact Plating | Unplated |
| Outer Contact Plating | Unplated |
| Pressurizable | Yes |

Dimensions

| | |
|-------------------|---------------------|
| Length | 145.29 mm 5.72 in |
| Transition Length | 91.69 mm 3.61 in |
| Weight | 3.40 kg 7.50 lb |
| Width | 116.84 mm 4.60 in |

Environmental Specifications

| | |
|-----------------------|--------------------------------------|
| Operating Temperature | -55 °C to +85 °C (-67 °F to +185 °F) |
| Storage Temperature | -55 °C to +85 °C (-67 °F to +185 °F) |

Regulatory Compliance/Certifications

| Agency | Classification |
|----------------------------|--|
| RoHS 2011/65/EU | Compliant by Exemption |
| China RoHS SJ/T 11364-2006 | Above Maximum Concentration Value (MCV) |
| ISO 9001:2008 | Designed, manufactured and/or distributed under this quality management system |



* Footnotes

Insertion Loss, typical 0.05v⁻freq (GHz) (not applicable for elliptical waveguide)