



Fixed-tuned UG-541/U for elliptical waveguide 132

Product Classification

Brand	HELIAX®
Product Type	Elliptical waveguide connector

General Specifications

Interface	UG-541/U
Waveguide Size	WR62 WG18 R140
Body Style	Straight, fixed-tuned
Material Type	Brass

Electrical Specifications

Operating Frequency Band	14.0 – 15.35 GHz
Insertion Loss, typical	0.01 dB
Peak Power, maximum	22.80 kW @ 14.70 GHz

Mechanical Specifications

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

Dimensions

Length	73.66 mm 2.90 in
Transition Length	39.12 mm 1.54 in
Weight	0.70 kg 1.54 lb
Width	53.34 mm 2.10 in

Environmental Specifications

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

Regulatory Compliance/Certifications

Agency

ISO 9001:2015

Classification

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



* Footnotes

Insertion Loss, typical 0.05vfreq (GHz) (not applicable for elliptical waveguide)