



185BC

Fixed-tuned UG-39/U for elliptical waveguide 85

General Specifications

Body Style	Straight, fixed-tuned
Interface	UG-39/U
Waveguide Size	WR90 WG16 R100
Brand	HELIAX®
Material Type	Brass

Electrical Specifications

Operating Frequency Band	8.5 – 9.8 GHz
Insertion Loss, typical	0.01 dB
Peak Power, maximum	38.90 kW @ 9.20 GHz

Mechanical Specifications

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

Dimensions

Length	120.65 mm 4.75 in
Transition Length	76.20 mm 3.00 in
Weight	0.90 kg 1.98 lb
Width	58.17 mm 2.29 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
ISO 9001:2008	Designed, manufactured and/or distributed under this quality management system

* Footnotes

Insertion Loss, typical	$0.05\sqrt{\text{freq (GHz)}}$ (not applicable for elliptical waveguide)
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