

185BC



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

OBSOLETE

This product was discontinued on: January 2, 2024

Product Classification

Product Type Elliptical waveguide connector

General Specifications

Attachment Method Tab-flare | Tool-flare
Body Style Straight, fixed-tuned
Inner Contact Plating Unplated
Interface UG-39/U
Outer Contact Plating Unplated
Pressurizable Yes

Dimensions

Width 58.166 mm | 2.29 in
Length 120.65 mm | 4.75 in
Transition Length 76.2 mm | 3 in
Waveguide Size WR90 | WG16 | R100

Electrical Specifications

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

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Material Specifications

Material Type Brass

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)

Packaging and Weights

Weight, net 0.9 kg | 1.984 lb

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
ROHS	Compliant
UK-ROHS	Compliant



* Footnotes

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