

Fixed-tuned CPR187G for elliptical waveguide 43

Product Classification

Brand	HELIAX®
Product Type	Elliptical waveguide connector

General Specifications

Interface	CPR187G
Waveguide Size	WR187 WG12 R48
Body Style	Straight, fixed-tuned
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
ISO 9001:2015	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)