



Fixed-tuned CPR90G for elliptical waveguide 90

Product Classification

Brand	HELIAX®
Product Type	Elliptical waveguide connector

General Specifications

Interface	CPR90G
Waveguide Size	WR90 WG16 R100
Body Style	Straight, fixed-tuned
Material Type	Brass

Electrical Specifications

Operating Frequency Band	10.2 – 11.7 GHz
Insertion Loss, typical	0.01 dB
Peak Power, maximum	44.90 kW @ 11.20 GHz

Mechanical Specifications

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

Dimensions

Length	80.77 mm 3.18 in
Transition Length	46.23 mm 1.82 in
Weight	1.00 kg 2.20 lb
Width	72.39 mm 2.85 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

RoHS 2011/65/EU

ISO 9001:2015

China RoHS SJ/T 11364-2014

Classification

Compliant by Exemption

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

Above Maximum Concentration Value (MCV)



* Footnotes

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