

**177SE****Fixed-tuned CPR112G for elliptical waveguide 77**

## General Specifications

Body Style	Straight, fixed-tuned
Interface	CPR112G
Waveguide Size	WR112   WG15   R84
Brand	HELIAX®
Material Type	Brass

## Electrical Specifications

Operating Frequency Band	7.125 – 8.5 GHz
Insertion Loss, typical	0.01 dB
Peak Power, maximum	63.00 kW @ 7.80 GHz

## Mechanical Specifications

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

## Dimensions

Length	92.20 mm   3.63 in
Transition Length	55.12 mm   2.17 in
Weight	1.40 kg   3.09 lb
Width	88.39 mm   3.48 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
RoHS 2011/65/EU	Compliant by Exemption
China RoHS SJ/T 11364-2006	Above Maximum Concentration Value (MCV)
ISO 9001:2008	Designed, manufactured and/or distributed under this quality management system



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## \* Footnotes

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