

Fixed-tuned PBR120 for elliptical waveguide 132

Product Classification

Brand	HELIAX®
Product Type	Elliptical waveguide connector

General Specifications

Interface	PBR120
Waveguide Size	WR75 WG17 R120
Body Style	Straight, fixed-tuned
Material Type	Brass

Electrical Specifications

Operating Frequency Band	13.75 – 14.50 GHz
Insertion Loss, typical	0.01 dB
Peak Power, maximum at Frequency	36.60 kW @ 14.70 GHz

Mechanical Specifications

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

Dimensions

Length	70.61 mm 2.78 in
Transition Length	36.32 mm 1.43 in
Weight	0.55 kg 1.21 lb
Width	52.32 mm 2.06 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)