



1127SCM

Fixed-tuned PBR120 for elliptical waveguide 127

General Specifications

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

Electrical Specifications

Operating Frequency Band	11.7 – 13.25 GHz
Insertion Loss, typical	0.01 dB
Peak Power, maximum	34.00 kW @ 12.70 GHz

Mechanical Specifications

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

Dimensions

Length	72.39 mm 2.85 in
Transition Length	39.37 mm 1.55 in
Weight	0.70 kg 1.54 lb
Width	57.40 mm 2.26 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)