



290SC

Fixed-tuned WR75 Pressurizable Cover Flange for elliptical waveguide 90

General Specifications

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

Electrical Specifications

Operating Frequency Band	10.7 – 11.7 GHz
Insertion Loss, typical	0.01 dB
Peak Power, maximum	11.20 kW @ 30.80 GHz

Mechanical Specifications

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

Dimensions

Length	78.99 mm 3.11 in
Transition Length	44.45 mm 1.75 in
Weight	0.90 kg 1.98 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	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



* Footnotes

Product Specifications

COMMScope®

290SC



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