

# 290SC



Fixed-tuned WR75 Pressurizable Cover Flange for elliptical waveguide 90

## Product Classification

**Product Type** Elliptical waveguide connector

## General Specifications

**Attachment Method** Tab-flare | Tool-flare  
**Body Style** Straight, fixed-tuned  
**Inner Contact Plating** Unplated  
**Interface** WR75 Cover  
**Outer Contact Plating** Unplated  
**Pressurizable** Yes

## Dimensions

**Width** 72.39 mm | 2.85 in  
**Length** 78.994 mm | 3.11 in  
**Transition Length** 44.45 mm | 1.75 in  
**Waveguide Size** WR75 | WG17 | R120

## Electrical Specifications

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

## Material Specifications

**Material Type** Brass

## Environmental Specifications

# 2905C

---

Operating Temperature	-55 °C to +85 °C (-67 °F to +185 °F)
Storage Temperature	-55 °C to +85 °C (-67 °F to +185 °F)

## Packaging and Weights

Weight, net	0.9 kg   1.984 lb
-------------	-------------------

## Regulatory Compliance/Certifications

Agency	Classification
ISO 9001:2015	Designed, manufactured and/or distributed under this quality management system



### \* Footnotes

Insertion Loss, typical	0.05√freq (GHz) (not applicable for elliptical waveguide)
-------------------------	---