

# Connector for FLEXWELL® Elliptical Waveguide E105/EP105, CPR90G Flange, Pre-tuned

Tunable connector for FLEXWELL® Elliptical Waveguide E105/EP105 CPR90G flange, Gasket sealed

Pre-tuned in the factory to achieve optimal electrical performance in a designted frequency range within 10.50 to  $11.70~\mathrm{GHz}$ 

### FEATURES / BENEFITS

#### **Superior Design**

- Fewer tuning screws
- Better performance

## **Quick & Easy Installation**

- Flaring tools not required
- · Assemble using standard hand tools performance

#### **Assorted Connector Types**

- Standard (non-tunable), tunable and pre-tuned versions are available
- Two basic interface series flange can mate with either a choke or a cover flange

## **Technical features**

#### **STRUCTURE**

Transmission Line Type		Elliptical Waveguide					
Cable Type		E105 / EP105					
Model Series		E105 / EP105 Series					
Connector Frequency Range	GHz	10.5 - 11.7					
Connector Type		Pre-tuned					
Sealing Method		Gasket					
Gas Inlet		NPT 1/8, tube adaptor not included					
Connector Interface		CPR90G					

#### **MECHANICAL SPECIFICATIONS**

Length	mm (in)	132 (5.2)
Outer Diameter	mm (in)	74 (2.9)
Weight	kg (lb)	1.77 (3.9)

External Document Links Installation Instruction

Notes

VSWR / Return loss value 1:1.062 / 30.5 dB @ 10.5 – 11.7

GHz with Premium FLEXWELL waveguide

**C90-105TG-PRETUNED** REV : A REV DATE : 03 Oct 2023 **WW** 

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Connector for FLEXWELL® Elliptical Waveguide E105/EP105, CPR90G Flange, Pre-tuned

VSWR / Return loss value 1:1.15 / 23.1 dB @ 10.5- 11.7 GHz with Standard FLEXWELL waveguide							

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