

## Waveguide to Coax Adapter, End Launch

WR-12/1.0mm Male/60-90GHz

Model: TL-12WCA1.0ME-CU

The TL-12WCA1.0ME-CU is end launch waveguide to coax adapters that cover the frequency range of 60 to 90 GHz. It is designed for an efficient transition between the rectangular waveguide and 1.0 mm coax connector.

### Features:

- Operating Frequency 60 to 90GHz
- Lower Insertion Loss and VSWR
- Instrumentation Grade
- DC Short Circuit

### Applications:

- Test Lab
- Instrumentations
- Sub-assemblies

### Electrical Characteristics:

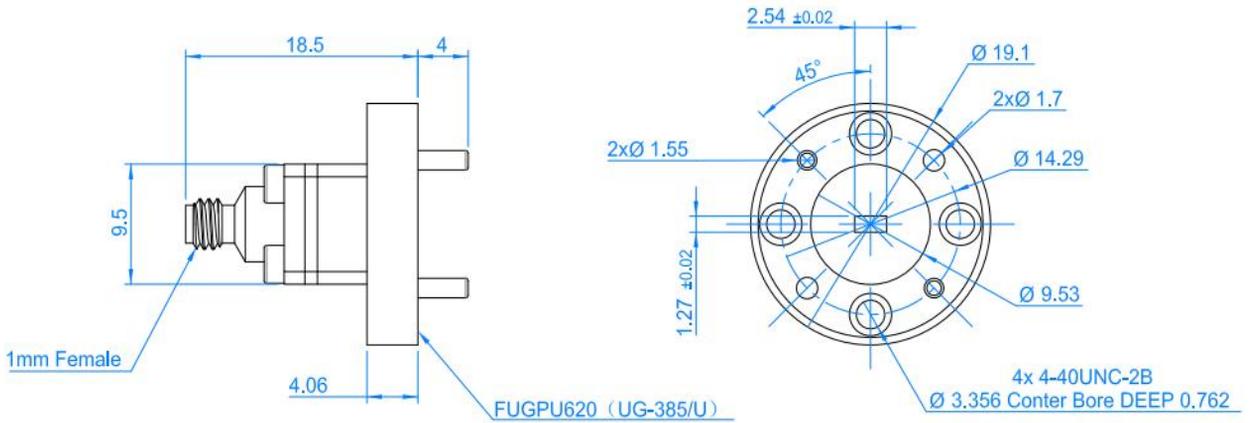
Parameter	Min	Typ	Max	Units
Frequency Range	60		90	GHz
VSWR		1.3		:1
Insertion Loss		0.4		dB
Power Handling			2	W

### Environmental And Physical Characteristics:

Description	Parameter	Units
Operating Temperature	-40 To +85	°C
Storage Temperature	-40 to +85	°C
Material	Copper	
Finish	Gold Plated	
Coax Connector	1.0mm Male	
Waveguide	WR-12/UG-387/U-M	

**Outline Drawing:**

Unit:mm



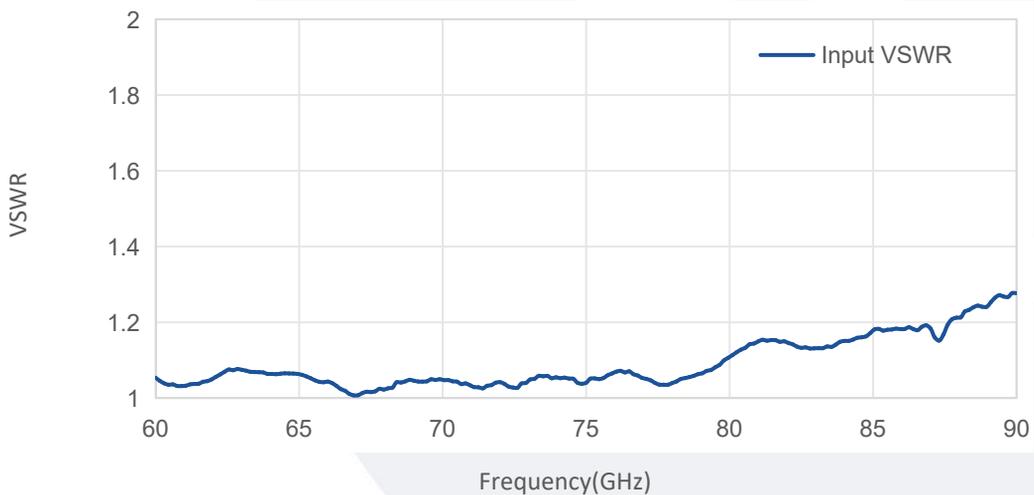

ESD Protection: Strictly adhere to ESD precautions to prevent electrostatic damage.

**Ordering Information:**

Base Number	Description	Revision
TL-12WCA1.0ME-CU	Waveguide to Coax Adapter, End Launch WR-12/1.0mm Male,60-90GHz	Rev.1.1

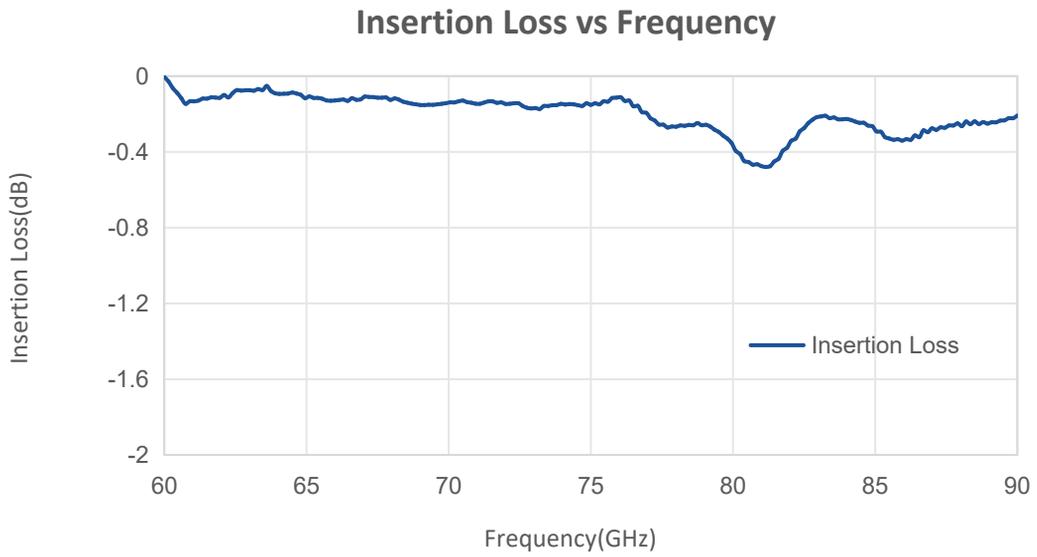
**Typical Performance Data:**

**VSWR vs Frequency**



Note: Above data is for ref only, actual data may vary from unit to unit depending on operating environment and other factors like material lots etc.

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