

Waveguide to Coax Adapter, End Launch

WR-10/1.0mm Female/75-110 GHz

Model: TL-10WCA1.0E-CU

The TL-10WCA1.0E-CU is end launch waveguide to coax adapters that cover the frequency range of 75 to 110 GHz. It is designed for an efficient transition between the rectangular waveguide and 1.0 mm coax connector.

Features:

- Operating Frequency 75 to 110GHz
- Lower Insertion Loss and VSWR
- Instrumentation Grade
- DC Short Circuit

Applications:

- Test Lab
- Instrumentations
- Sub-assemblies



Electrical Characteristics:

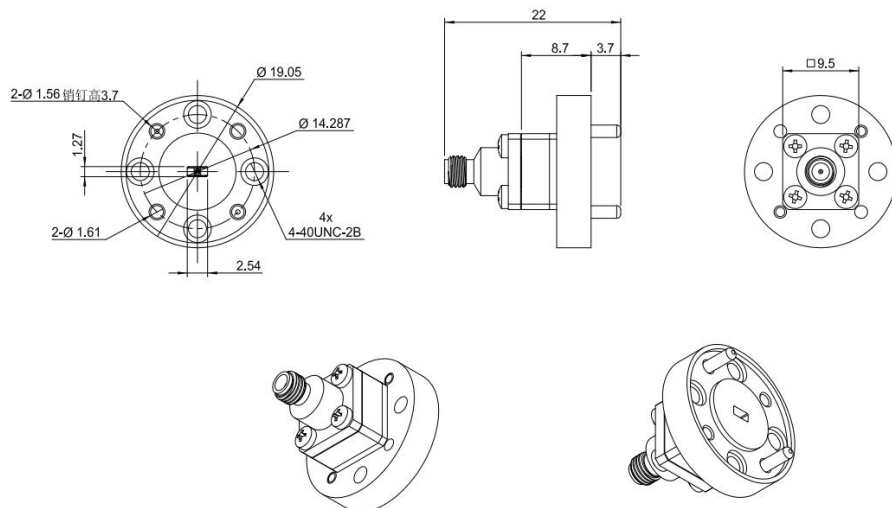
Parameter	Min	Typ	Max	Units
Frequency Range	75		110	GHz
Insertion Loss		0.6	1	dB
VSWR		1.3		:1
Power Handling			10	W

Envrionmental And Physical Characteristics:

Parameter	Description	Units
Material	Copper	
Finish	Gold Plated	
Coax Connector	1.0mm Female	
Waveguide	WR10/UG-387/U-M	

Outline Drawing:

Unit:mm; Tolerance:±0.1mm

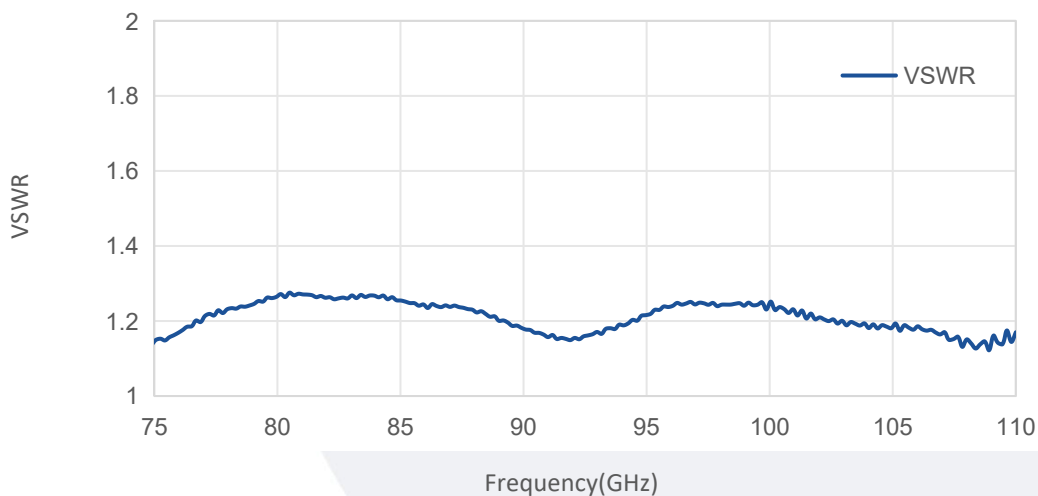


Ordering Information:

Base Number	Description	Revision
TL-10WCA1.0E-CU	Waveguide to Coax Adapter, End Launch WR10/1.0mm Female, 75-110GHz	Rev.1.1

Typical Performance Data:

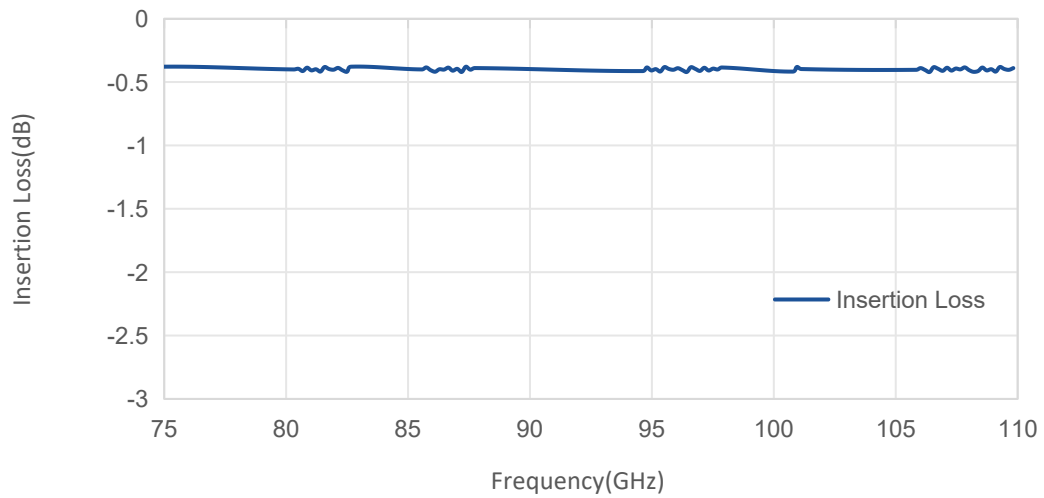
VSWR vs Frequency



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.

Typical Performance Data:

Insertion Loss 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.