

Waveguide to Coax Adapter, End Launch

WR-15/1.0mm Female/50-75GHz

Model: TL-15WCA1.0E

The TL-15WCA1.0E is end launch waveguide to coax adapters that cover the frequency range of 50 to 75 GHz. It is designed for an efficient transition between the rectangular waveguide and 1.0 mm coax connector.

Features:

- Operating Frequency 50 to 75GHz
- Lower Insertion Loss and VSWR
- Instrumentation Grade
- DC Short Circuit

Applications:

- Test Lab
- Instrumentations
- Sub-assemblies



Electrical Characteristics:

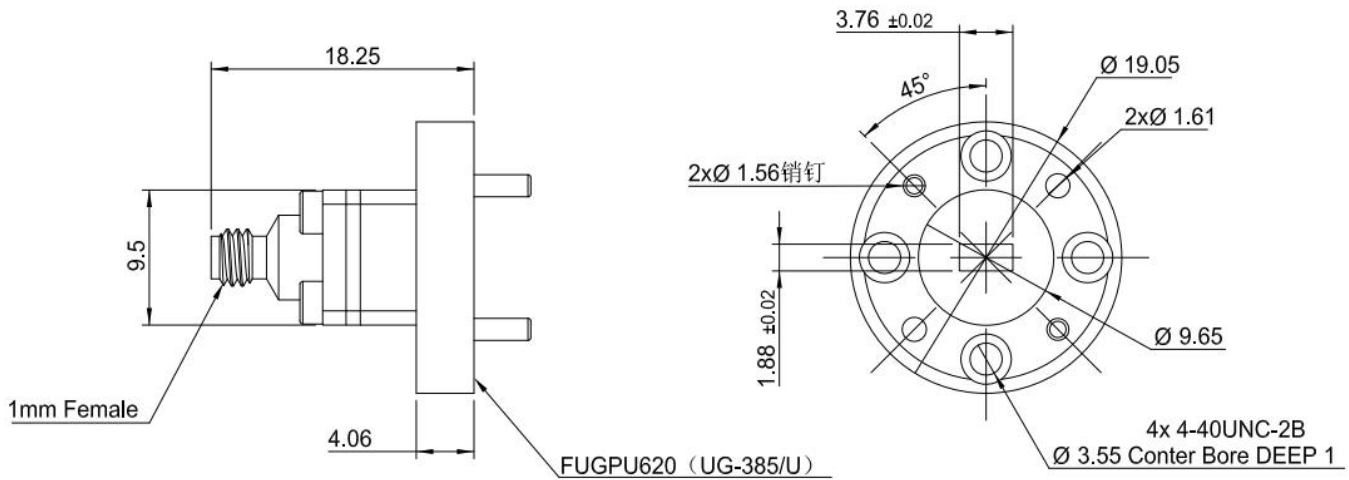
Parameter	Min	Typ	Max	Units
Frequency Range	50		75	GHz
Insertion Loss		0.5	0.8	dB
VSWR		1.3		:1
Power Handling			10	W

Envrionmental And Physical Characteristics:

Parameter	Description	Units
Operating Temerature	-40 To +85	°C
Storage Temerature	-40 to +85	°C
Material	Aluminum	
Finish	Gold Plated	
Coax Connector	1.0mm Female	
Waveguide	WR-15/UG-385/U-M	

Outline Drawing:

Unit:mm; Tolerance:±0.1mm



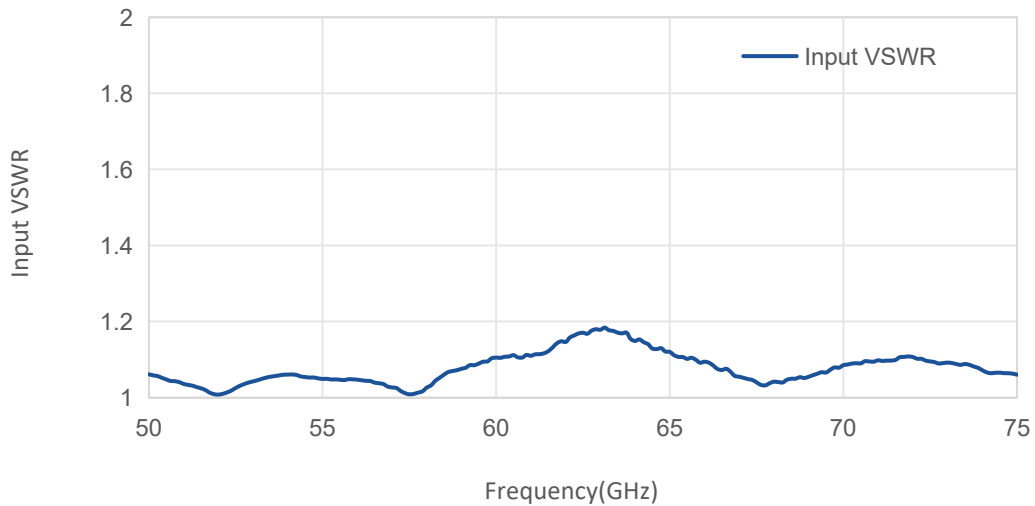
ESD Protection: Strictly
adhere to ESD precautions
to prevent electrostatic
damage.

Ordering Information:

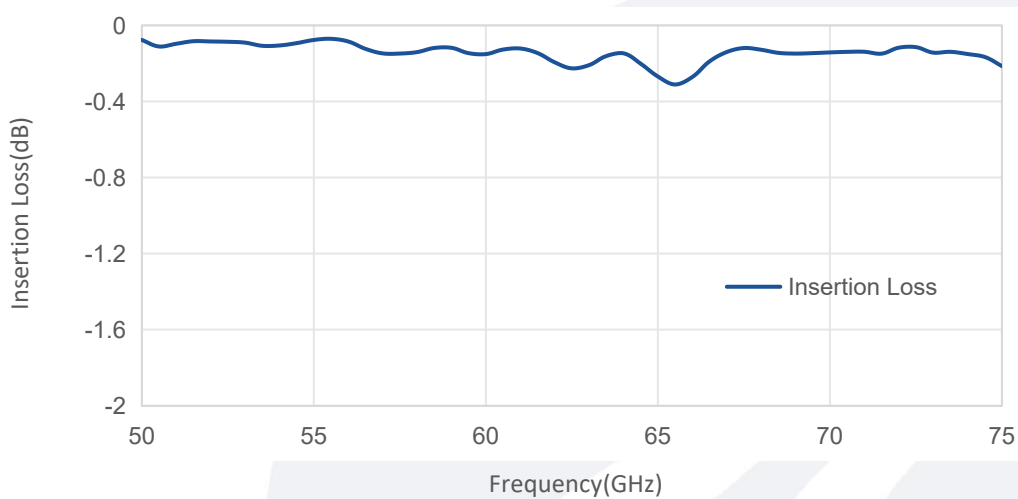
Base Number	Description	Revision
TL-15WCA1.0E	Waveguide to Coax Adapter, End Launch WR15/1.0mm Female,50-75GHz	Rev.1.2

Typical Performance Data:

Input VSWR vs Frequency



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.