

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:

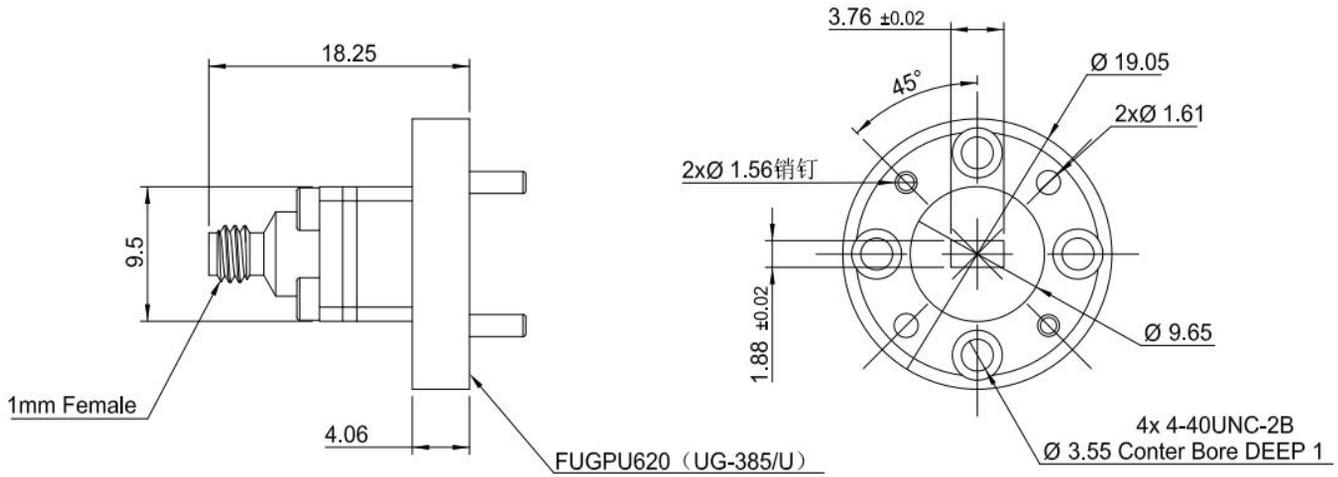
Parameter	Min	Typ	Max	Units
Frequency Range	50		75	GHz
VSWR		1.3	1.5	:1
Insertion Loss		0.4		dB
Power Handling			2	W

Environmental And Physical Characteristics:

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

Outline Drawing:

Unit:mm



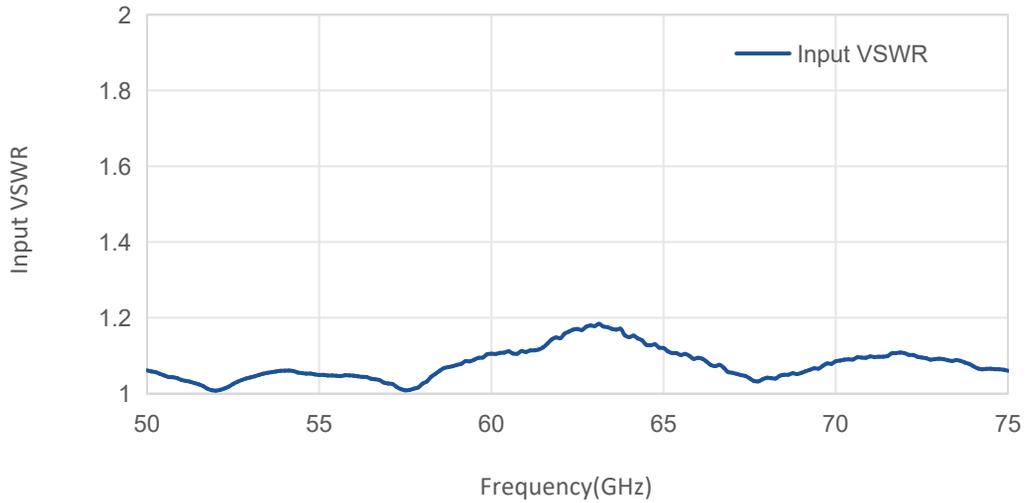
ESD Protection: Strictly adhere to ESD precautions to prevent electrostatic damage.

Ordering Information:

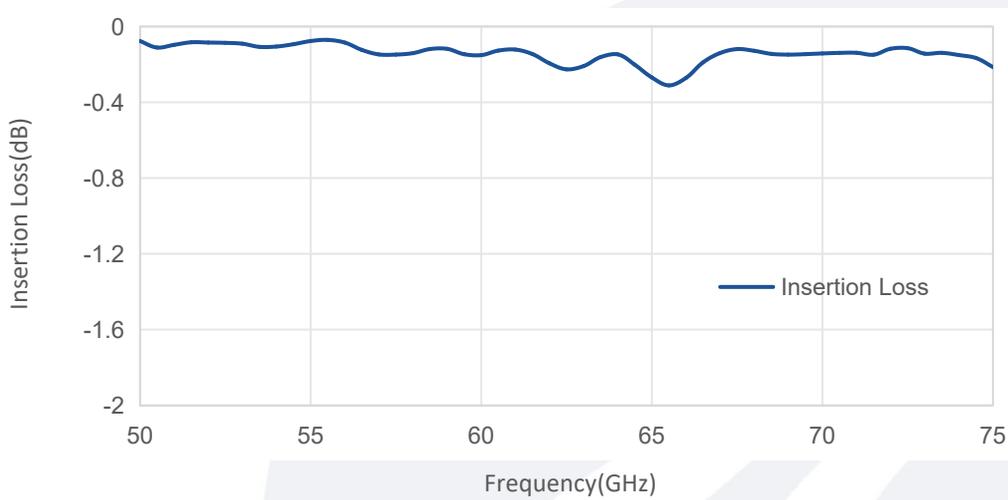
Base Number	Description	Revision
TL-15WCA1.0E	Waveguide to Coax Adapter, End Launch WR15/1.0mm Female,50-75GHz	Rev.1.2

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.