

Waveguide Faraday Isolator

75-110GHz/2dB, Insertion Loss/18dB, Isolation

Model: TLI-075110-10

The TLI-075110-10 is a waveguide faraday isolator that operates from 75 to 110 GHz. The isolator offers 20 dB minimum isolation and 2 dB maximum insertion loss. The input and output port configuration offers an inline structure with WR-10 waveguides and UG-387/U-M anti-cocking flanges.

Features:

- Frequency range: 75-110GHz
- High Isolation
- Compact Form Factor
- Resistant to Stray Magnetic Fields

Applications:

- Test Lab
- Sub-assemblies
- Test Instrumentations

Electrical Characteristics:

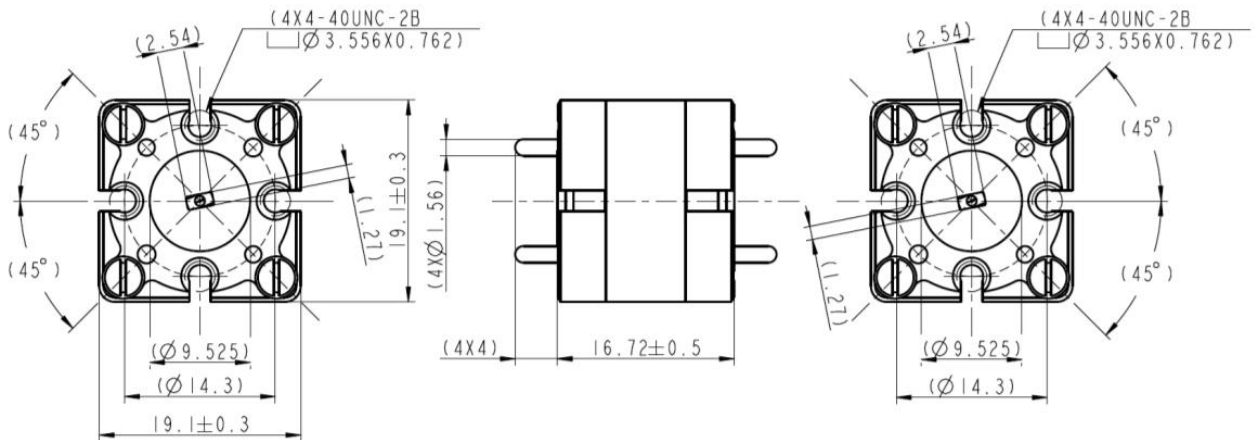
Parameter	Min	Typ	Max	Units
Frequency range	75		110	GHz
Insertion Loss			2	dB
Isolation	18			dB
VSWR			1.4	:1
Direction		1→2		

Mechanical Specifications:

Parameter	Value	Units
Operating Temperature	25	°C
Input /Output Connector	WR-10/UG-387/U	

Outline Drawing:

Unit:mm; Tolerance:±0.1mm



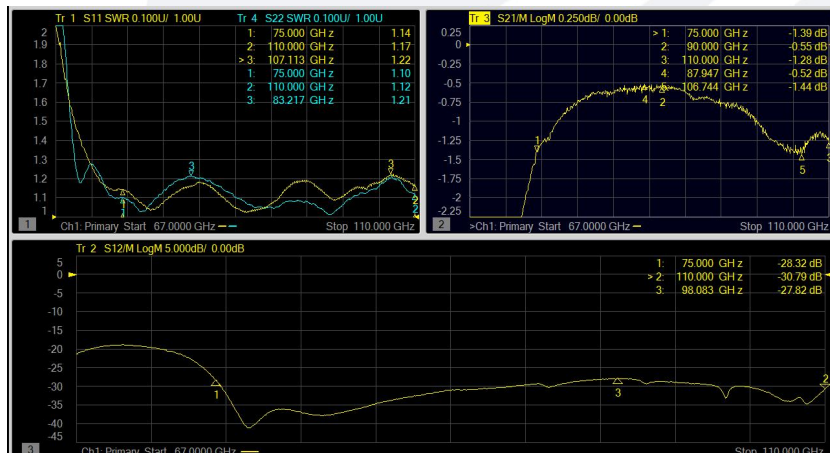
ESD Protection: Strictly adhere to ESD precautions to prevent electrostatic damage.

Ordering Information:

Base Number	Description	Revision
TLI-075110-10	Waveguide Faraday Isolator, 75-110GHz, Insertion loss: 2dB, Port Isolation: 18dB	Rev.1.0

Typical Performance Data:

VSWR&Insertion Loss&Isolation 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.