

Waveguide Faraday Isolator

110-170GHz/2.7dB,Insertion Loss/20dB,Isolation

Model: TLI-110170-06

The TLI-110170-06 is a waveguide faraday isolator that operates from 110 to 170 GHz. The isolator offers 20 dB minimum isolation and 2.7 dB maximum insertion loss. The input and output ports are WR-6.5 waveguides.

Features:

- Frequency range: 110-170GHz
- High Isolation
- Compact Form Factor
- Resistant to Stray Magnetic Fields

Applications:

- Test Lab
- Sub-assemblies
- Test Instrumentations

Electrical Characteristics:

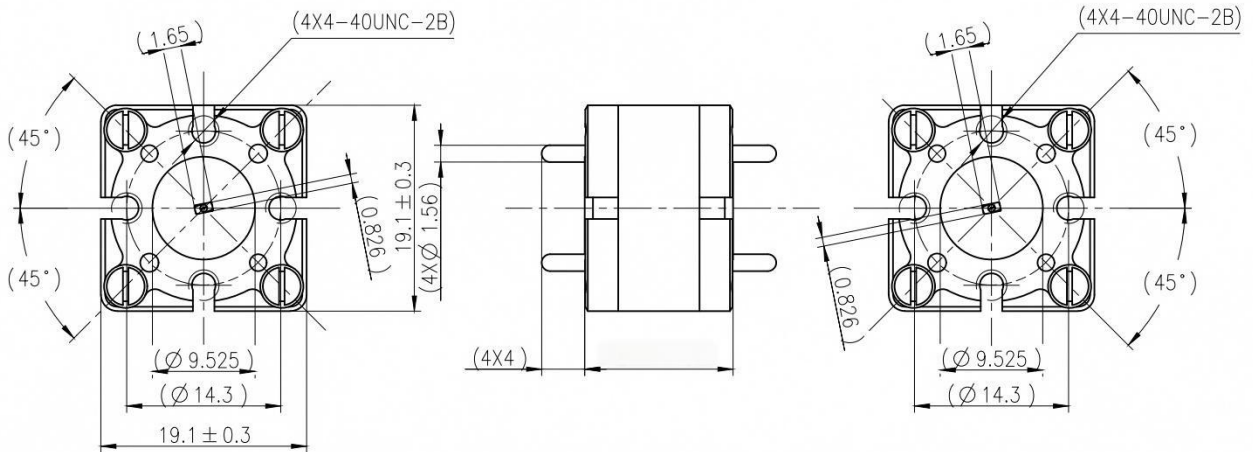
Parameter	Min	Typ	Max	Units
Frequency range	110		170	GHz
Insertion Loss			2.7	dB
Isolation	20			dB
VSWR			1.45	:1

Mechanical Specifications:

Parameter	Value	Units
Operating Temperature	25	°C
Input /Output Connector	WR-6.5/UG-387/U	

Outline Drawing:

Unit:mm; Tolerance:±0.1mm



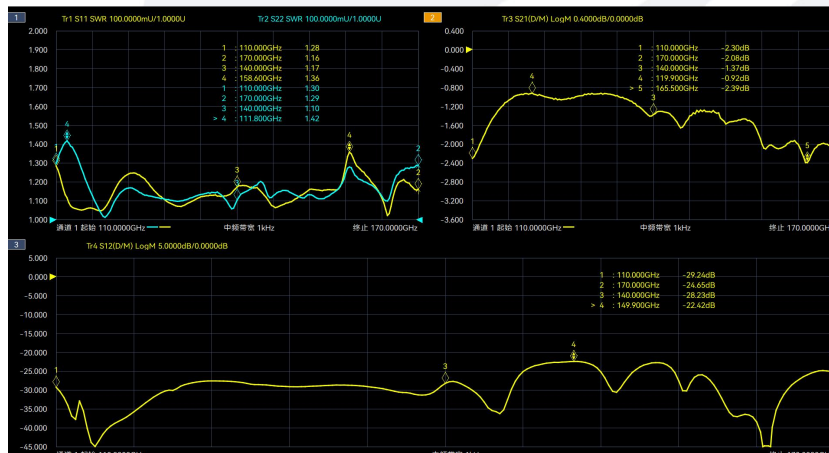
ESD Protection: Strictly adhere to ESD precautions to prevent electrostatic damage.

Ordering Information:

Base Number	Description	Revision
TLI-110170-06	Waveguide Faraday Isolator, 110-170GHz, Insertion loss: 2.7dB, Port Isolation: 20dB	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.