

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

电气特性 Electrical Characteristics:

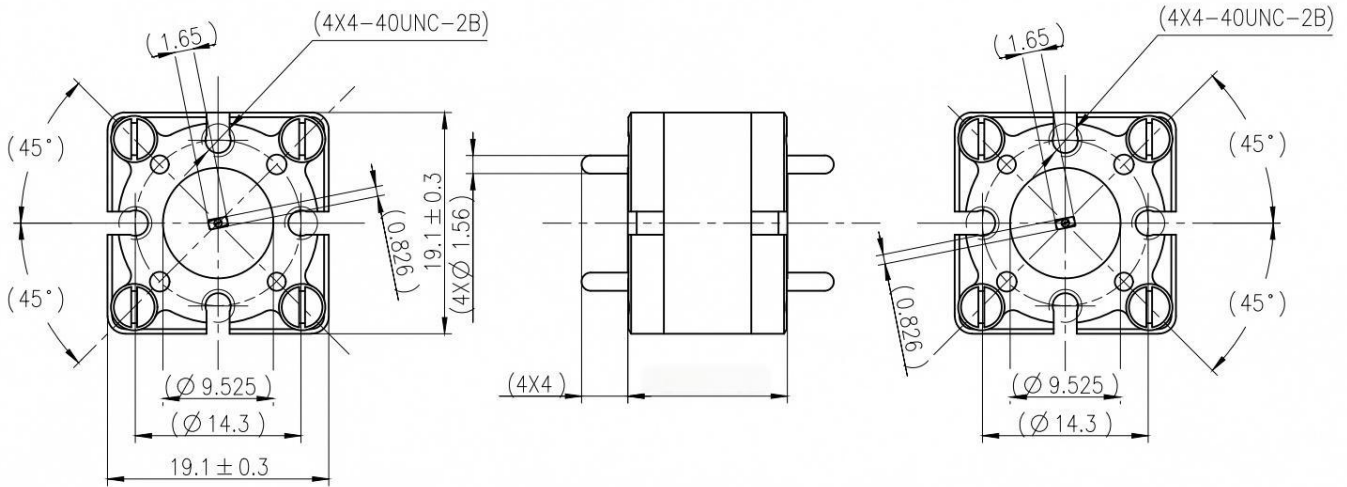
参数 Parameter	Min	Typ	Max	单位 Units
频率范围 Frequency range	110		170	GHz
插损 Insertion Loss			2.7	dB
隔离 Isolation	20			dB
驻波 VSWR			1.45	:1

机械特性 Mechanical Specifications:

参数 Parameter	指标 Value	单位 Units
工作温度 Operating Temperature	25	°C
输入/输出接口 Input /Output Connector	WR-6.5/UG-387/U	

外形图 Outline Drawing:

Unit:mm; Tolerance:±0.1mm



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

订货信息 Ordering Information:

标准型号 Base Number	描述 Description	版本号 Revision
TLI-110170-06	Waveguide Faraday Isolator, 110-170GHz, Insertion loss: 2.7dB, Port Isolation: 20dB	Rev.1.0