泰莱微波
Talent Microwave

Suzhou Talent Microwave,Inc
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D-band Directional Waveguide Coupler

WR-6.5/28dB Coupling

Model: TC-110170-30-06

TC-110170-30-06 is a D-band, 3-port waveguide directional coupler that delivers a 28 dB nominal coupling level and 25 dB typical directivity across the full waveguide band from 110 to 170 GHz. The interfaces of the coupler are WR-6.5 waveguides with UG-387/U-M anti-cocking flanges.

Features:

- Operating Frequency 110 to 170 GHz
- Full Band Operation
- Low Insertion Loss
- Moderate Directivity

Applications:

- Test Labs
- Instrumentations
- Sub-assemblies

Electrical Characteristics:

Parameter	Min	Typ	Max	Units
Frequency Range	110		170	GHz
Insertion Loss		0.7		dB
Coupling		28		dB
Coupling Accuracy		±2		dB
Isolation		60		dB
Directivity		30		dB
Main Line VSWR		1.2		:1
Coupling Port VSWR		1.2		:1

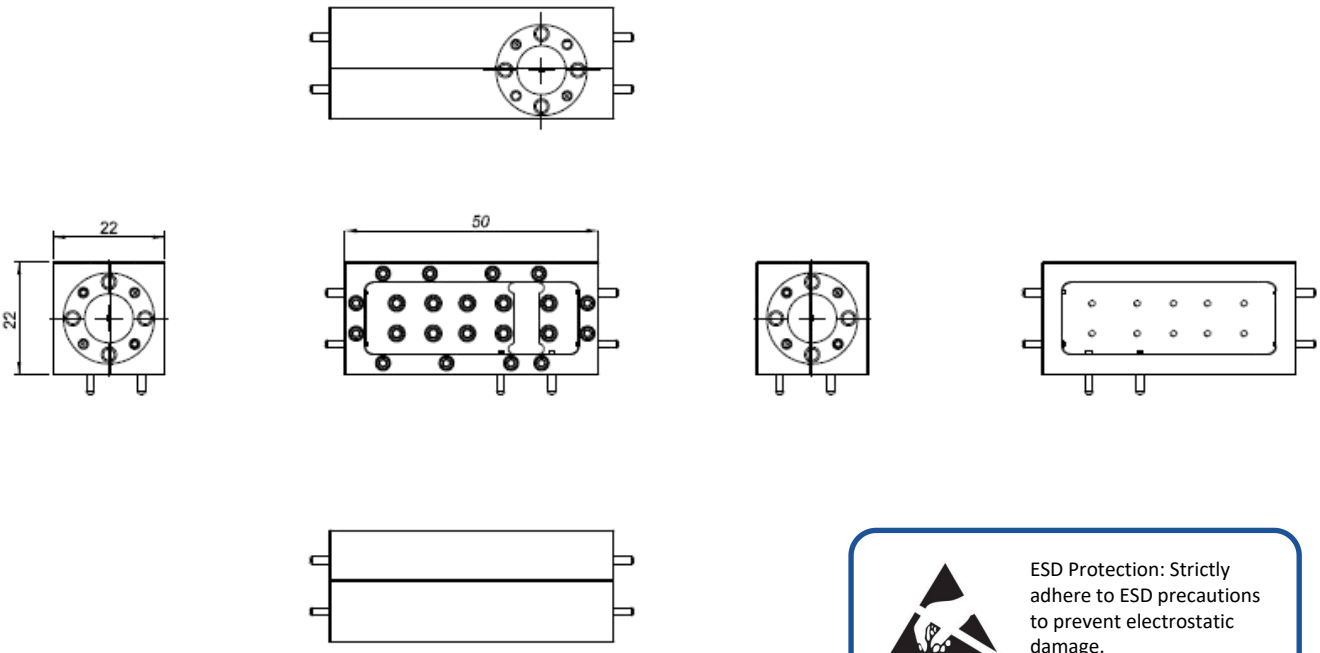
Envrionmental And Physical Characteristics:

Description	Parameter	Units
Operating Temerature	-40 To +85	℃
Storage Temerature	-40 to +85	℃
Input/Output Connectors	WR-6.5/U-387/U	
Isolation/Coupling Port	WR-6.5/U-387/U	
Size	50*22*22	mm

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Outline Drawing:

Unit:mm; Tolerance:±0.1mm



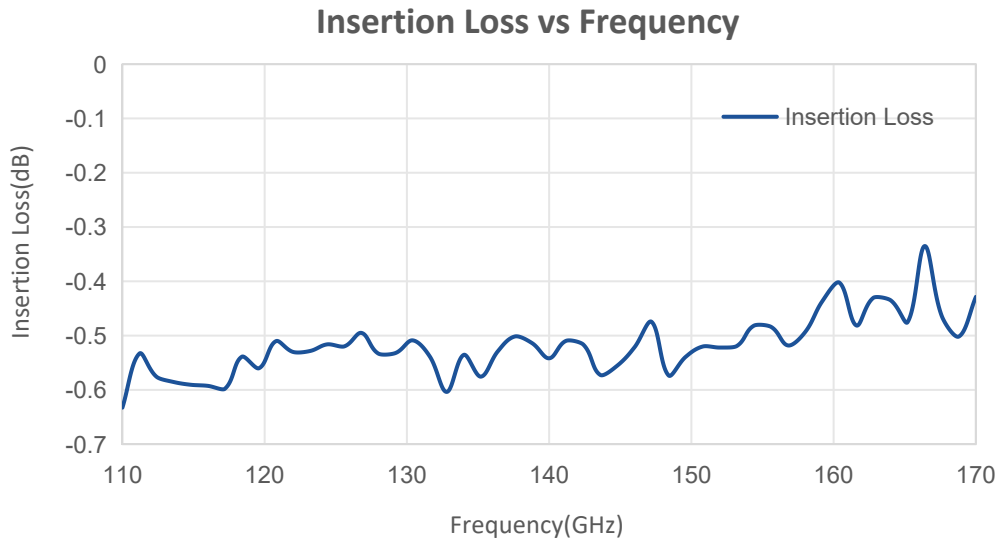
ESD Protection: Strictly adhere to ESD precautions to prevent electrostatic damage.

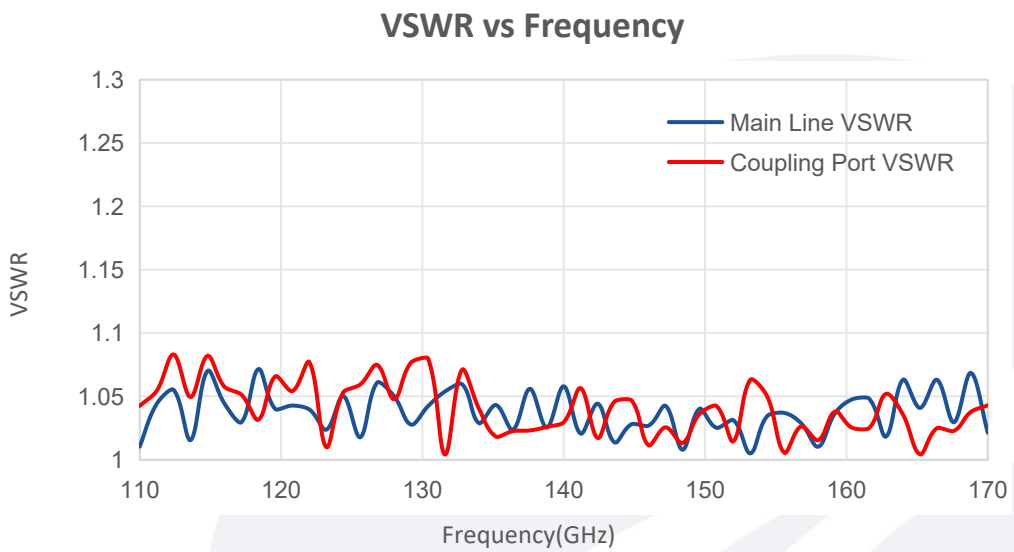
Ordering Information:

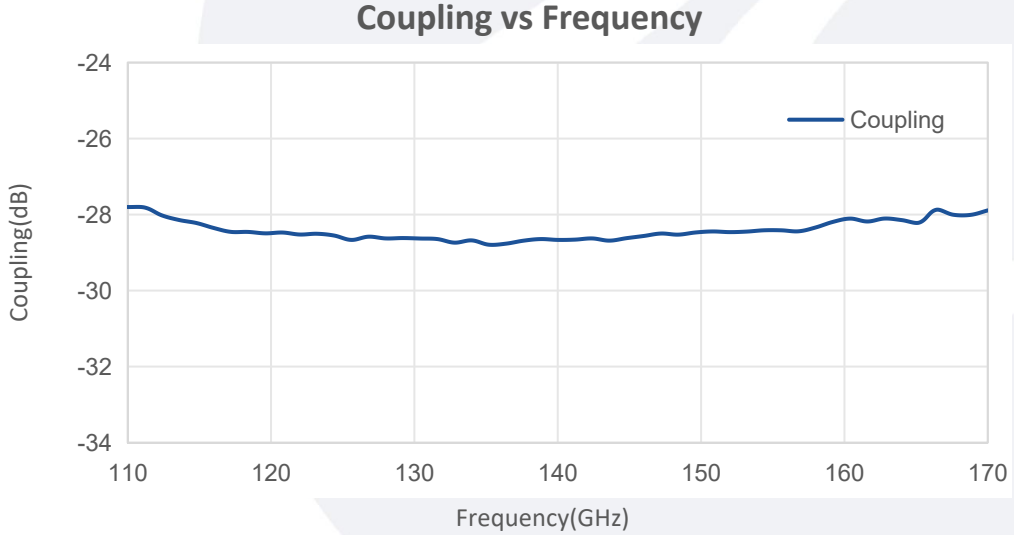
Base Number	Description	Revision
TC-110170-30-06	D-band Directional Waveguide Coupler,110-170GHz, Insertion Loss:0.7dB Typ, Coupling:28dB Typ,WR-6.5	Rev.1.0

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Typical Performance Data:



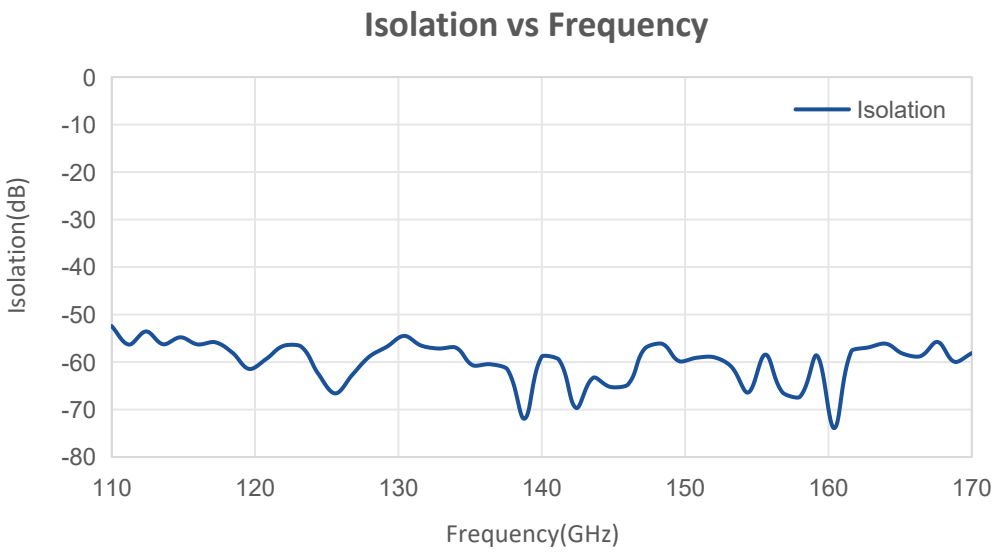




Note: Above data is for ref only, actual data may vary from unit to unit depending on operating environment and other factors like material lots etc.

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