Suzhou Talent Microwave,Inc
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J-band Waveguide Directional Coupler

WR-3.4/WR-3.4/10dB Coupling

Model: TC-220330-20-3.4

TC-220330-20-3.4 is a J-band, three-port waveguide directional coupler that delivers a 10 dB nominal coupling level and 30 dB typical directivity across the full waveguide band from 220 to 330 GHz. The interfaces of the directional coupler are WR-3.4 waveguides with UG-387/U anti-cocking flanges.

Features:

- Operating Frequency 220 to 330GHz
- Full Band Operation
- Low Insertion Loss
- Moderate Directivity

Applications:

- Test Labs
- Instrumentations
- Sub-assemblies

Electrical Characteristics:

Parameter	Min	Typ	Max	Units
Frequency Range	220		330	GHz
Insertion Loss		3		dB
Coupling		20		dB
Coupling Accuracy		±2		dB
Isolation		50		dB
Directivity		30		dB
Main Line VSWR		1.1		:1
Coupling Port VSWR		1.1		:1

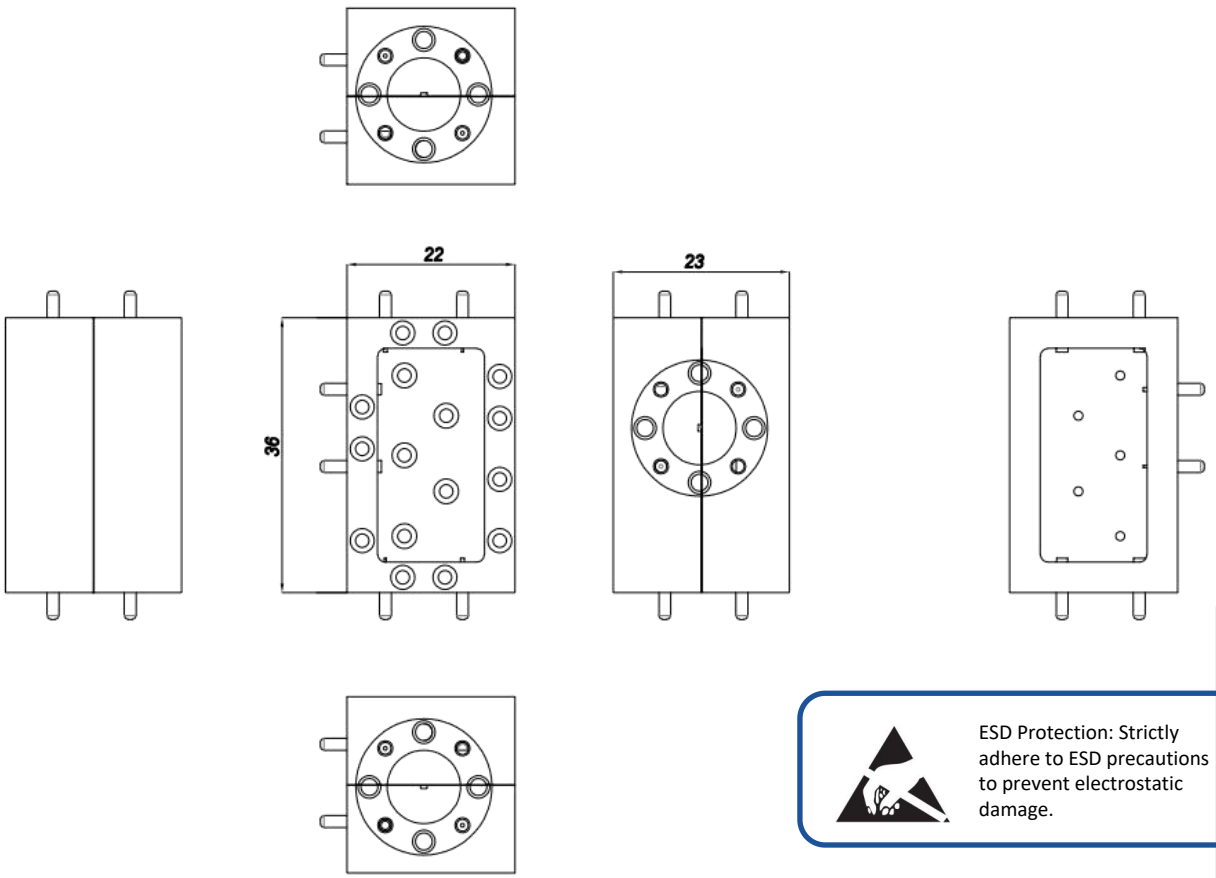
Envrionmental And Physical Characteristics:

Parameter	Value	Units
Operating Temerature	-40 To +85	℃
Storage Temerature	-40 to +85	℃
RF Connectors	WR-3.4/UG-387/U	
Coupled Port	WR-3.4/UG-387/U	
Size	36*22*23	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-220330-20-3.4	J-band Waveguide Directional Coupler, 220-330GHz, Coupling:20dB Typ, WR-3.4/UG-387/U	Rev.1.0