泰莱微波 Talent Microwave

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J-band Waveguide Directional Coupler

WR-3.4/WR-3.4/20dB Coupling

Model: TC-220330-20-3.4

TC-220330-20-3.4 is a J-band, three-port waveguide directional coupler that delivers a 20 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

电气特性 Electrical Characteristics:

参数 Parameter	Min	Typ	Max	单位 Units
工作频率 Frequency Range	220		330	GHz
插损 Insertion Loss		3		dB
耦合度 Coupling		20		dB
耦合精度 Coupling Accuracy		±2		dB
隔离度 Isolation		50		dB
方向性 Directivity		30		dB
主线驻波 Main Line VSWR		1.1		:1
耦合口驻波 Coupling Port VSWR		1.1		:1

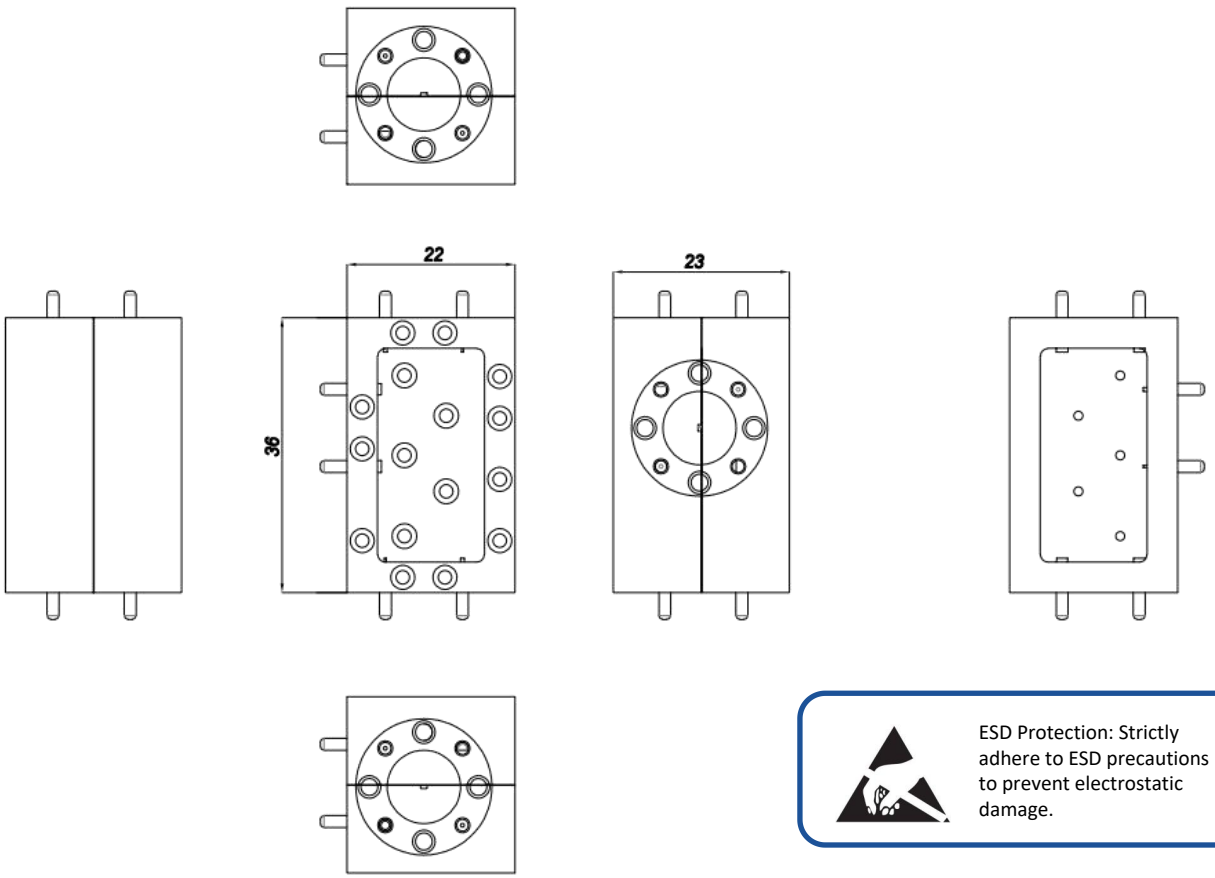
环境和机械特性 Envrionmental And Physical Characteristics:

参数 Parameter	指标 Value	单位 Units
操作温度 Operating Temerature	-40 To +85	℃
存储温度 Storage Temerature	-40 to +85	℃
RF接口 RF Connectors	WR-3.4/UG-387/U	
耦合接口 Coupled Port	WR-3.4/UG-387/U	
尺寸 Size	36*22*23	mm

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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
TC-220330-20-3.4	J-band Waveguide Directional Coupler, 220-330GHz, Coupling:20dB Typ, WR-3.4/UG-387/U	Rev.1.0