Suzhou Talent Microwave,Inc
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W-Band,8-Way Waveguide Power Divider

75-110GHz/2dB,Insertion Loss Model: TLPD-075110-8-10

The TLPD-075110-8-10 is a full band WR-10, 8-way power divider that operates from 75 to 110 GHz. The power divider offers a typical insertion loss of 2dB. All ports are well-balanced and in-phase for power dividing or combining applications across the band. The power divider is configured as aninlinepackage with WR-10 waveguides and UG-387/U-M compatible anti-cocking flanges at all ports .

Features:

- Frequency range: 75-110GHz
- Low Insertion Loss
- High Isolation
- Compact Package

Applications:

- Test Lab
- Sub-assemblies
- Test Instrumentations
- Twist Compatible

Electrical Characteristics:

Parameter		Min	Typ	Max	Units
Frequency range		75		110	GHz
Insertion Loss				2	dB
Port Isolation	Adj. Ports			20	dB
	Non-Adj. Ports			20	
Return Loss			-15		dB
Power Unbalance			±1		dB

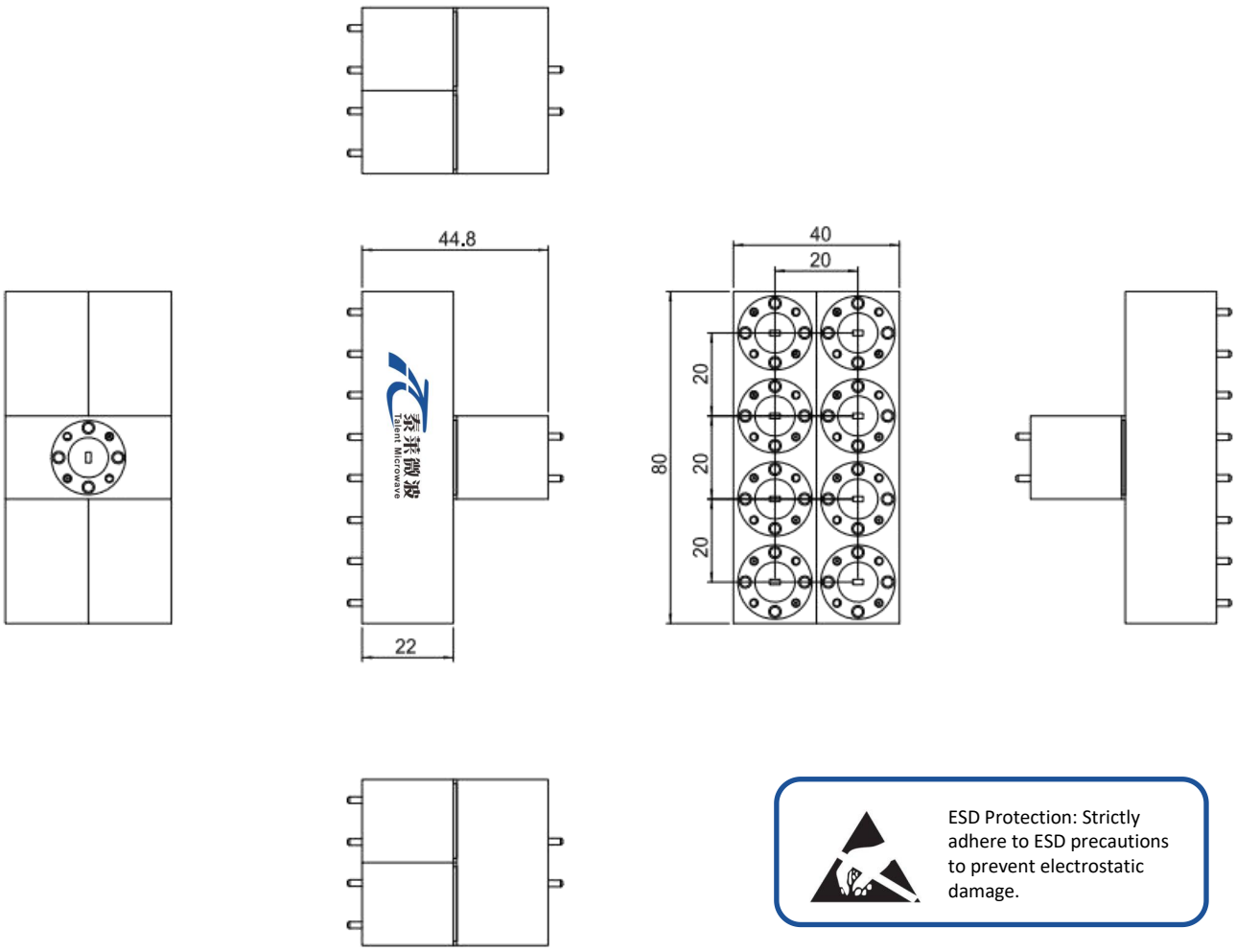
Physical Characteristics:

Parameter	Value	Units
Input /Output Connector	WR-10/UG-387/U	
Size	80*40*44.8	mm
Material	Brass	
Finish	Gold plated	

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Outline Drawing:

Unit:mm; Tolerance:±0.1mm



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

Environmental Conditions:

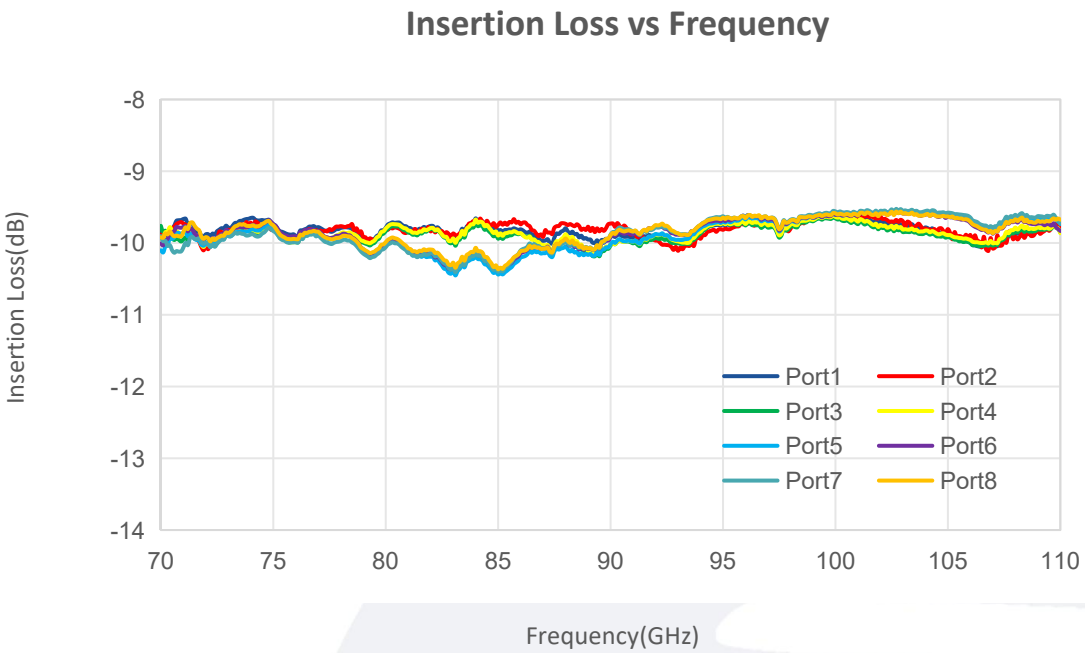
Parameter	Min	Typ	Max	Units
Operating Temperature	-45		+85	℃
Non-operating Temperature	-55		+125	℃
Relative humidity		95		%
Altitude	10,000			feet
Shock / Vibration(MIL-STD-810F)	25g rms (15 degree 2KHz) endurance, 1 hour per axis			
Shock(non operating)	20G for 11msc half sin wave,3 axis both directions			

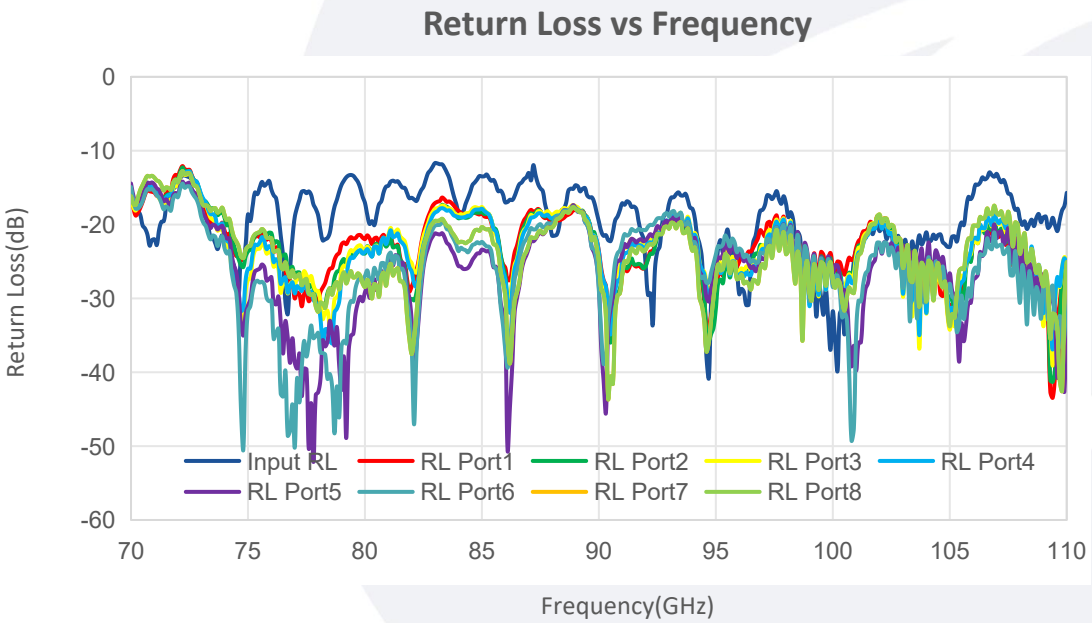
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Ordering Information:

Base Number	Description	Revision
TLPD-075110-8-10	8-Way waveguide power divider, 75-110GHz	Rev.1.0

Typical Performance Data:

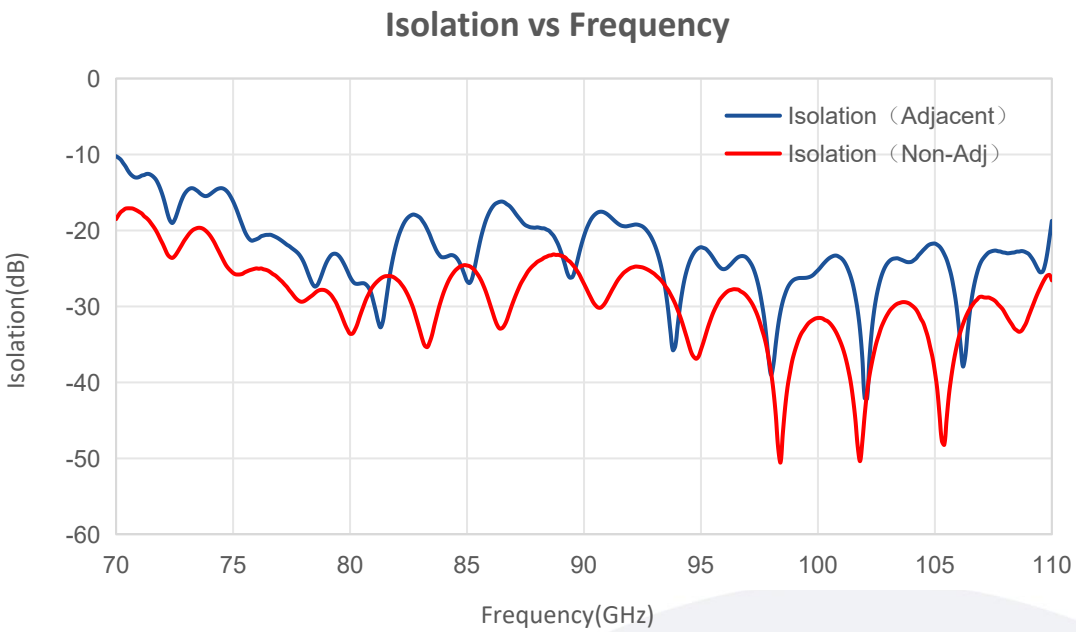




Note: Above data is for ref only, actual data may vary from unit to unit depending on operating environment and other factors like material lots etc.

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