泰莱微波
Talent Microwave

Suzhou Talent Microwave,Inc
sales@talentmw.com
www.talentmw.com

E-Band,4-Way Waveguide Power Divider

60-90GHz/1dB,Insertion Loss

Model: TLPD-060090-4-12

The TLPD-060090-4-12 is a full band WR-12, 4-way power divider that operates from 60 to 90 GHz. The power divider offers a typical insertion loss of 1dB. 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-12 waveguides and UG-387/U-M compatible anti-cocking flanges at all ports .

Features:

- Frequency range: 60-90GHz
- 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		60		90	GHz
Insertion Loss			1		dB
Port Isolation	Adjacent Ports		20		dB
	Non-Adjacent Ports		30		
Input Return Loss			-20		dB
Output Return Loss			-20		dB
Power Unbalance			±0.3		dB

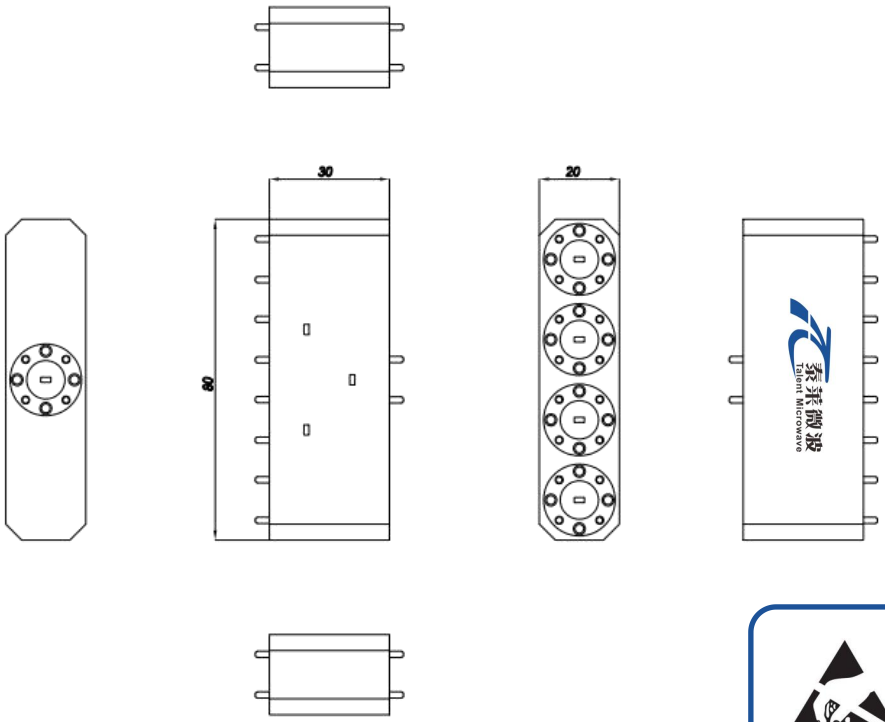
Physical Characteristics:

Parameter	Value	Units
Input /Output Connector	WR-12/UG-387/U	
Size	20*30*80	mm
Material	Brass	
Finish	Gold plated	

Suzhou Talent Microwave,Inc
sales@talentmw.com
www.talentmw.com

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			

Ordering Information:

Base Number	Description	Revision
TLPD-060090-4-12	4-Way waveguide power divider, 60-90GHz	Rev.1.0