泰莱微波 Talent Microwave

Suzhou Talent Microwave,Inc
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F Band Compact Level Setting Attenuator

WR-08/90-140GHz/0-30dB Attenuation Model: TLSA-30-WR08

TLSA-30-WR08 is a compact level setting attenuator that covers the frequency range from 90 to 140 GHz. High precision micrometer drive is used for smooth adjustment.The input and output port configuration offers an inline structure with WR-08 waveguides and UG-387/U-M anticocking flanges. These level setting attenuators are with flatness attenuation value and good return loss. They are widely used in test equipment and communication systems.

Features:

- Full Band Coverage
- Low insertion Loss: 0.5dB
- Attenuation Range: 0-30dB
- Good attenuation flatness
- Good Return Loss

Applications:

- Test Equipment
- RF Over Fiber
- Communication Systems
- Radar Systems

电气特性 Electrical Characteristics:

参数 Parameter		Min	Typ	Max	单位 Units
频率范围 Frequency range		90		140	GHz
插入损耗 Insertion Loss			0.5		dB
衰减范围 Attenuation Range			0-30		dB
衰减平坦度 Attenuation Flatness	@10dB Attenuation		±1		dB
	@20dB Attenuation		±1.5		
	@30dB Attenuation		±2		
回波损耗 Return Loss			-20		dB
功率容量 Power Handling				100	mW
标称温度 Specification Temperature			+25		℃

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机械特性 Mechanical Specifications:

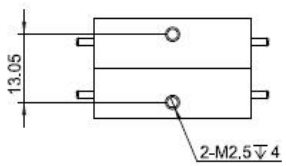
参数 Parameter	指标 Value	单位 Units
输入/输出接口 Input /Output Connector	WR-08/UG-387/U-M	
材质 Meterial	Brass	
表面处理 Finish	Gold Plated	
尺寸 Size	30x27.6x19.05	mm

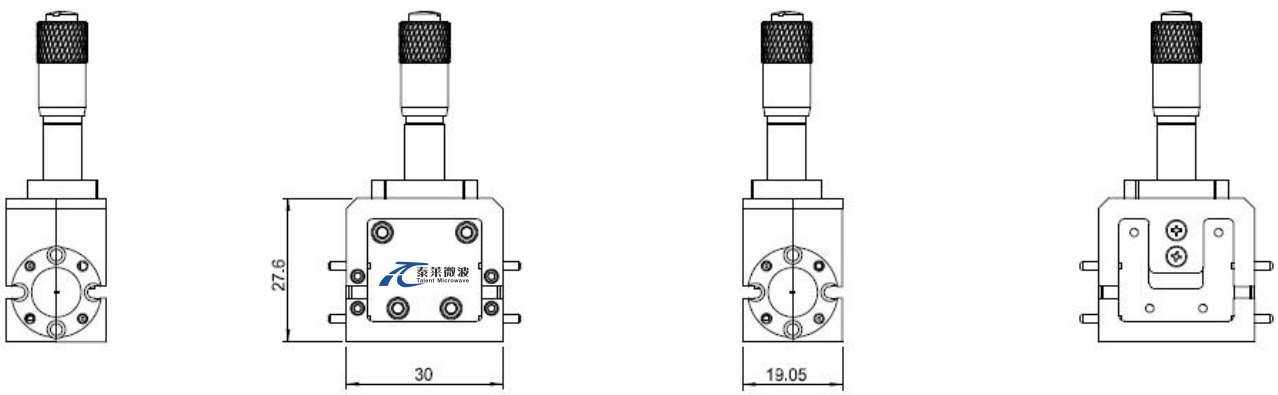
绝对最大值 Absolute Maximum Ratings:

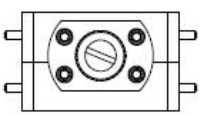
参数 Parameter	指标 Value
输入功率 RF Input Power	+20dBm

外形图 Outline Drawing:

Unit:mm; Tolerance:±0.1mm







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温度环境 Environmental Conditions:

参数 Parameter	Min	Typ	Max	单位 Units
操作温度 Operating Temperature	-10		+65	℃
存储温度 Non-operating Temperature	-45		+85	℃
相对湿度 Relative humidity		95		%
海拔 Altitude	10,000			feet
震动 Shock / Vibration(MIL-STD-810F)	25g rms (15 degree 2KHz) endurance, 1 hour per axis			
冲击 Shock(non operating)	20G for 11msc half sin wave,3 axis both directions			

订货信息 Ordering Information:

标准型号 Base Number	描述 Description	版本号 Revision
TLSA-30-WR08	WR-08 Waveguide Compact Level Setting Attenuator;0-30dB Attenuation	Rev.1.0