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

Electrical Characteristics:

Parameter		Min	Typ	Max	Units
Frequency range		90		140	GHz
Insertion Loss			0.5		dB
Attenuation Range			0-30		dB
Attenuation Flatness	@10dB Attenuation		±1		dB
	@20dB Attenuation		±1.5		
	@30dB Attenuation		±2		
Return Loss			-20		dB
Power Handling				100	mW
Specification Temperature			+25		℃

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Mechanical Specifications:

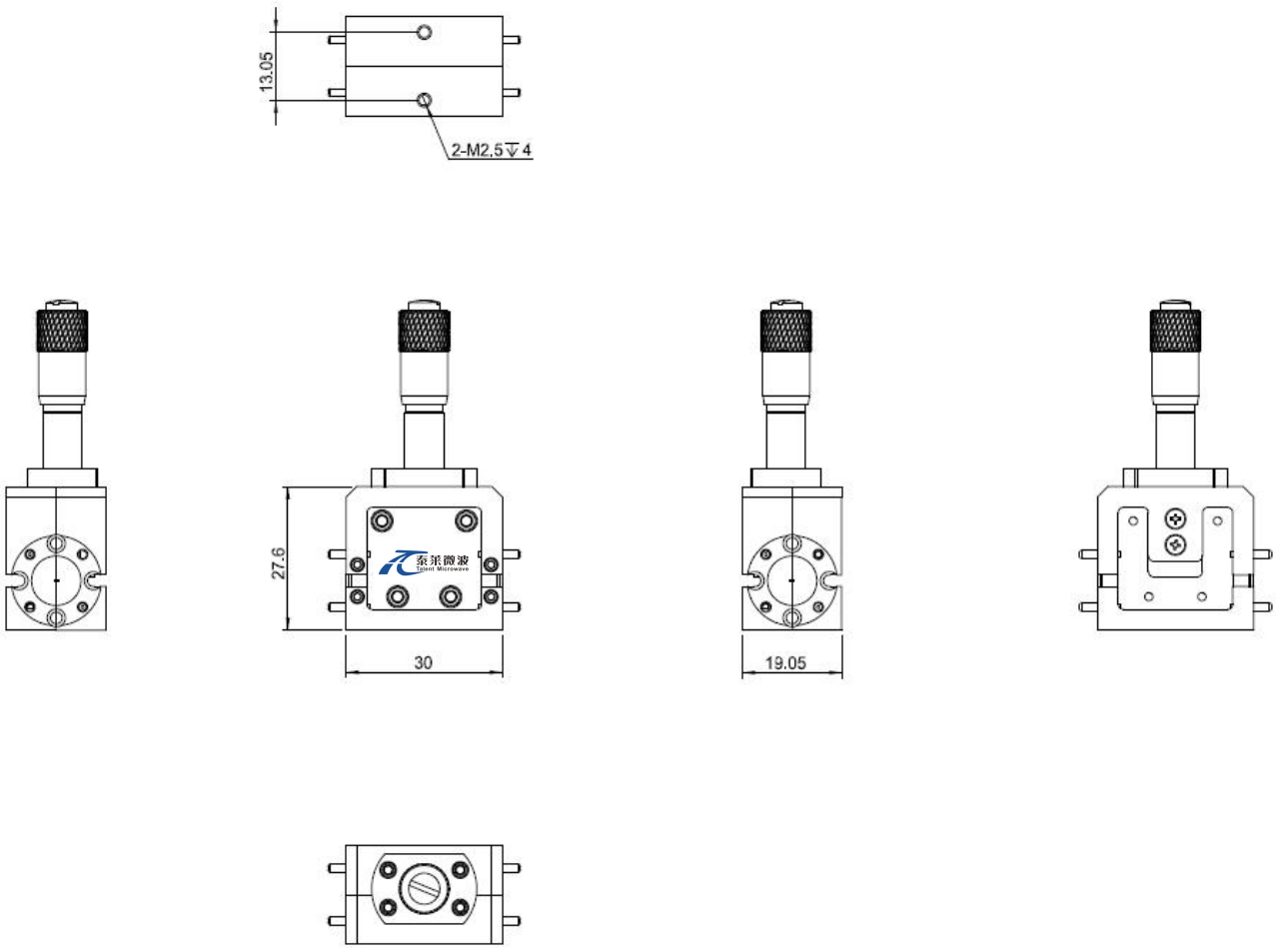
Parameter	Value	Units
Input /Output Connector	WR-08/UG-387/U-M	
Meterial	Brass	
Finish	Gold Plated	
Size	30x27.6x19.05	mm

Absolute Maximum Ratings:

Parameter	Value
RF Input Power	+20dBm

Outline Drawing:

Unit:mm; Tolerance:±0.1mm



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Environmental Conditions:

Parameter	Min	Typ	Max	Units
Operating Temperature	-10		+65	℃
Non-operating Temperature	-45		+85	℃
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
TLSA-30-WR08	WR-08 Waveguide Compact Level Setting Attenuator;0-30dB Attenuation	Rev.1.0