

AT1030 50Ω 10W 1~30dB DC~30GHz
SMA High Performance 50Ohm Stainless Steel Attenuator



Ver A/0 Release Date March, 2018

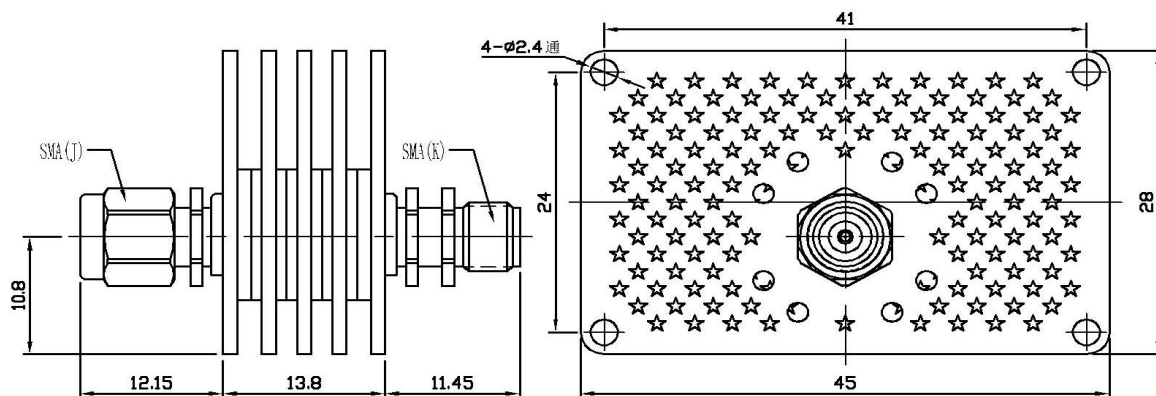
P/N:AT1030

Features

- DC~30GHz Frequency Range
- Max Power 10W
- VSWR < 1.20

Applications

- Miniature Size
- SMA Interfaces
- Instrumentation
- Precision measurements
- Prototyping and characterization
- Production systems



Mechanical & Environmental Specifications

Outer Conductor Coupling Nut	Passivated Stainless Steel	Temp. Range	Storage	-55℃~125℃
Radiator	Black Anodized Aluminum Heatsink	Working Temp.		-55℃~100℃
Inner Conductor Male	Beryllium Copper Gold plated ($\geq 1.27\mu\text{m}$)	Altitude	Storage	< 15300 Meters
Female	Beryllium Copper Gold plated ($\geq 1.27\mu\text{m}$)	Working Temp.		< 4800 Meters
Weight	30 g			

Electrical Specifications

Model	Frequency Range (GHz)	Attenuation(dBc) and accuracy				Return Loss(dB)
		1~6	7~10	20	30	
AT1030-XX	DC~30GHz	-0.5/+0.5	-0.5/+0.5	-0.5/+0.5	-0.6/+0.6	-24.7

XX refers to decrease value

Average power: The ambient temperature corresponding to bidirectional at 10W input is 25 °C

When temperature is up to 100℃.The power decreases linearly to 1W

Peak power: Max power 200W (Maximum 5 μs pulse width, maximum 5% duty cycle)

Working time: no air cooling, ≤ 5 minutes; with air cooling, air volume ≥ 8CFM, long-term work

Remark

- 1、 All physical dimensions are in mm and the tolerance is $\pm 1\%$
- 2、 The network analyzer tests in the whole frequency band, 100% electrical performance test.
- 3、 Special connectors and special attenuation can be customized according to customer requirements

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