

AT0530 50Ω 5W 1~30dB DC~30GHz
SMA High Performance 50Ohm Stainless Steel Attenuator



Ver A/0 Release Date March, 2018

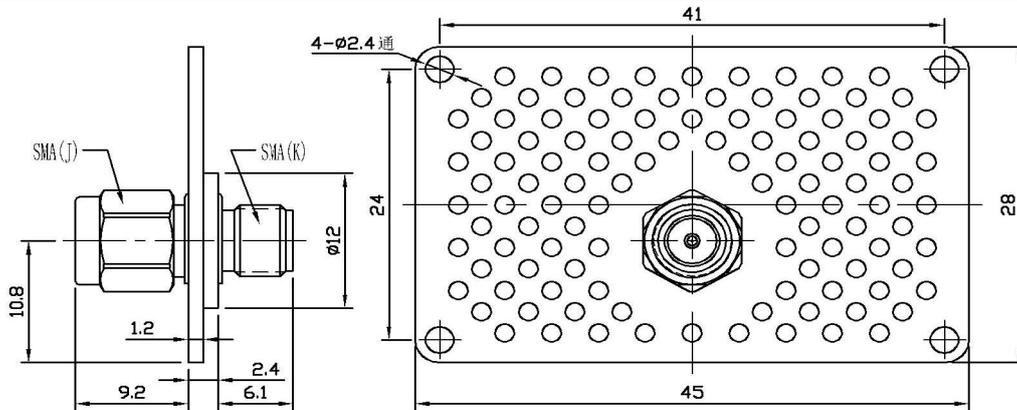
P/N:AT0530

Features

- DC~30GHz Frequency Range
- Max Power 6W
- 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°C~125°C
Radiator	Black Anodized Aluminum Heatsink	Working Temp.		-55°C~100°C
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	10 g			

Electrical Specifications

Model	Frequency Range (GHz)	Attenuation(dBc) and accuracy				Return Loss(dB)
		1~6	7~10	20	30	
AT0530-XX	DC~30GHz	-0.2/+0.2	-0.2/+0.2	-0.25/+0.25	-0.3/+0.3	-24.7

XX refers to decrease value

Average power: The ambient temperature corresponding to bidirectional at 5W input is 25 °C

When temperature is up to 100°C. The power decreases linearly to 0.5W

Peak power: Max power 150W (Maximum 5 μ s pulse width, maximum 4% or 3% 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

Shenzhen RFComs Technology Co.,LTD

Tell: +86 13480725660

Website: www.rfcoms.com

Email: luke@rfcoms.com

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