

AT0230 50Ω 2W 1~30dB DC~30GHz
SMA High Performance 50Ohm Stainless Steel Attenuator



Ver A/0 Release Date March 2018

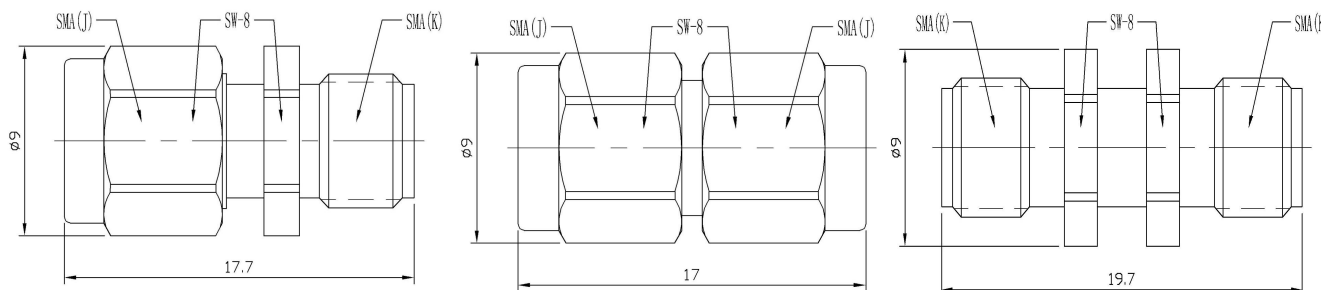
P/N:AT0230

Features

- DC~30GHz Frequency Range
- Max Power 2.5W
- 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	Passivated Stainless Steel		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	5 g			

Electrical Specifications

Model	Frequency Range(GHz)	Attenuation(dBc) and accuracy				Return Loss(dB)
		1~3	4~8	9~15	16~30	
AT0230-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. Temperature coefficient 0.0002dB/dB/°C.

Power sensitivity: 0.001dB/dB/W. Average power: the ambient temperature corresponding to maximum 2W power is 25°C.

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

Peak power: Max power 125W (Maximum 5 μs pulse width, maximum 1% duty cycle)

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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