

**AT0218    50Ω    2W    1~30dB    DC~18GHz**  
**SMA High Performance 50Ohm Stainless Steel Attenuator**



Ver A/0    Release Date March 2018

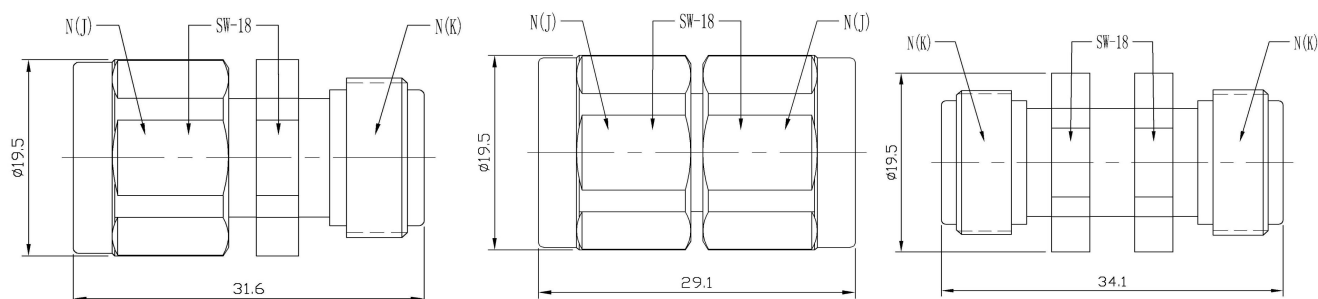
P/N:AT0218

**Features**

- DC~18GHz Frequency Range
- Max Power 2W
- VSWR < 1.20

**Applications**

- Miniature Size
- N 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	Passivated Stainless Steel		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	
AT0218-XX	DC~18GHz	-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/℃.

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

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

Peak power: Max power 125W (Maximum 5  $\mu\text{s}$  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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