

**AT0265    50Ω    2W    1~40dB    DC~69GHz**  
**1.85mm High Performance 50Ohm Stainless Steel Attenuator**



Ver A/0    Release Date March 2018

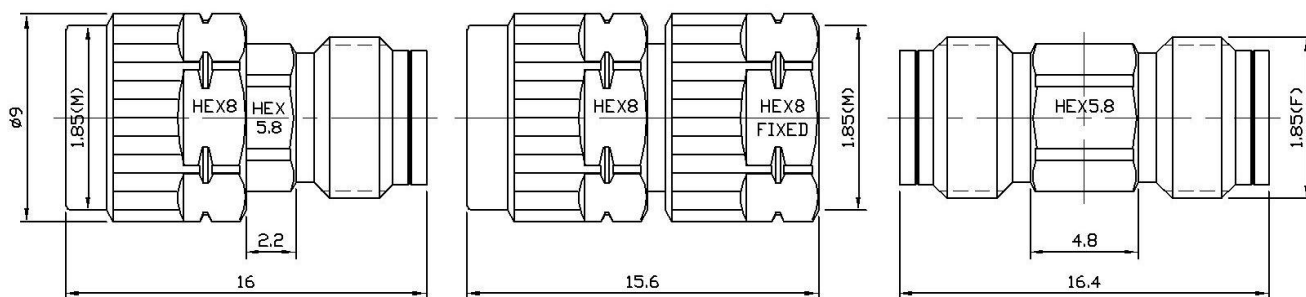
P/N:AT0265

**Features**

- DC~69GHz Frequency Range
- Max Power 2.5W
- VSWR    < 1.45    < 1.30    < 1.20    < 1.14  
             C-Class    B-Class    A-Class    S-Class

**Applications**

- 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	3.5 g			

**Electrical Specifications**

Model	Frequency Range(GHz)	Attenuation(dBc) and accuracy				Return Loss(dB)
		1~3	4~8	9~25	26~40	
AT0265C-XX	DC~67GHz	-0.6/+1.0	-0.8/+1.2	-1.0/+1.0	-1.0/+1.2	-14.7
AT0265B-XX	DC~67GHz	-0.6/+0.9	-0.7/+1.0	-0.8/+0.8	-0.9/+1.0	-17.7
AT0265A-XX	DC~67GHz	-0.5/+0.8	-0.6/+0.9	-0.7/+0.7	-0.8/+0.8	-20.8
AT0265S-XX	DC~67GHz	-0.5/+0.7	-0.6/+0.8	-0.6/+0.6	-0.6/+0.6	-23.7

XX refers to decrease value,C,B,A,S are average power of performance level.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 0.2W

Peak power: Max power 50W (Maximum 5  $\mu\text{s}$  pulse width, maximum 2% 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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