

AT1065 50Ω 10W 3~40dB DC~69GHz
1.85mm High Performance 50Ohm Stainless Steel Attenuator



Ver A/0 Release Date March 2018

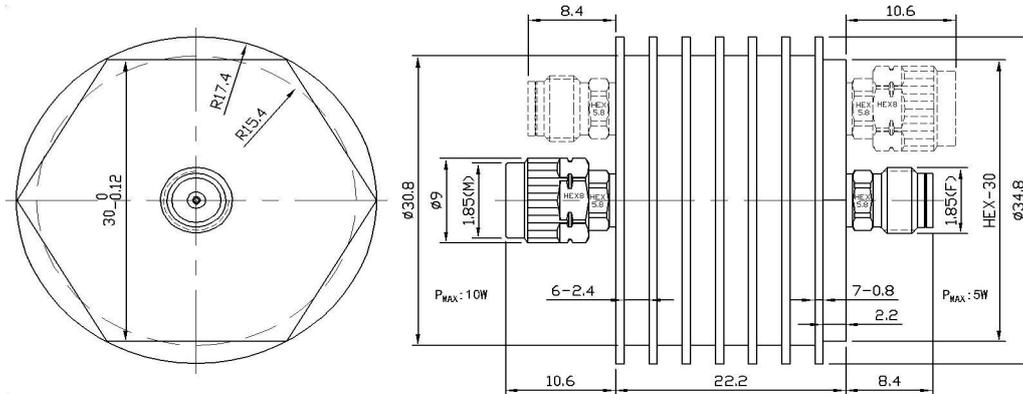
P/N:AT1065

Features

- DC~69GHz Frequency Range
- Max Power 10W
- VSWR < 1.60 < 1.45 < 1.30 < 1.20
C-Class B-Class A-Class S-Class

Applications

- Miniature Size
- 1.85mm 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	Working Temp.		-55°C~100°C
Inner Conductor	Male	Beryllium Copper Gold plated(≥ 1.27μ m)	Altitude	Storage	< 15300 Meters
	Female	Beryllium Copper Gold plated(≥ 1.27μ m)	Working Temp.		< 4800 Meters
Weight		53 g			

Electrical Specifications

Model	Frequency Range(GHz)	Attenuation(dBc) and accuracy				Return Loss(dB)
		3~10	20	30	40	
AT1065C-XX	DC~67GHz	-1.8/+2.0	-1.5/+1.8	-1.5/+1.8	-1.5/+1.8	-12.7
AT1065B-XX	DC~67GHz	-1.5/+1.8	-1.2/+1.5	-1.2/+1.5	-1.2/+1.5	-14.7
AT1065A-XX	DC~67GHz	-1.2/+1.5	-1.0/+1.2	-1.0/+1.2	-1.0/+1.2	-17.7
AT1065S-XX	DC~67GHz	-1.0/+1.2	-0.8/+1.0	-0.8/+1.0	-0.8/+1.0	-20.8

XX refers to decrease value. C, B, A, S are average power of performance level. Temperature coefficient 0.0002dB/dB/°C.
 Power sensitivity: 0.001dB/dB/W. Average power: the ambient temperature corresponding to maximum 10W power is 25°C.
 When temperature is up to 100°C. The power decreases linearly to 1W
 Peak power: Max power 50W (Maximum 5μ s pulse width, maximum 6% or 4% duty cycle)
 Working time: no air cooling, ≤ 5 minutes; with air cooling, air volume ≥ 5CFM, long-term work

Remark

- 1、 All physical dimensions are in mm and the tolerance is ± 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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