

AT0565 50Ω 5W 1~40dB DC~69GHz
1.85mm High Performance 50Ohm Stainless Steel Attenuator



Ver A/0 Release Date March 2018

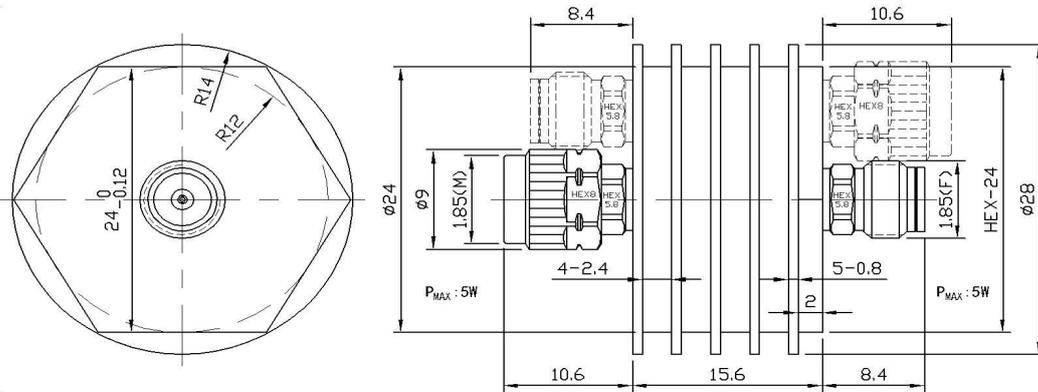
P/N:AT0565

Features

- DC~69GHz Frequency Range
- Max Power 5W
- 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		28 g			

Electrical Specifications

Model	Frequency Range(GHz)	Attenuation(dBc) and accuracy				Return Loss(dB)
		1~3	4~8	9~15	26~40	
AT0565C-XX	DC~67GHz	-0.8/+1.2	-0.9/+1.5	-1.0/+1.0	-1.0/+1.5	-12.7
AT0565B-XX	DC~67GHz	-0.7/+1.0	-0.8/+1.2	-0.8/+0.8	-0.9/+1.2	-14.7
AT0565A-XX	DC~67GHz	-0.6/+0.9	-0.7/+1.0	-0.7/+0.7	-0.8/+1.0	-17.7
AT0565S-XX	DC~67GHz	-0.5/+0.8	-0.6/+0.9	-0.6/+0.6	-0.6/+0.8	-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 5W power is 25°C.
 When temperature is up to 100°C. The power decreases linearly to 0.5W
 Peak power: Max power 50W (Maximum 5 μ s pulse width, maximum 4% duty cycle)
 Working time: no air cooling, ≤ 5 minutes; with air cooling, air volume ≥ 3CFM, 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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