

**AT4040 50Ω 40W 10~40dB DC~42GHz**  
**2.92mm High Performance 50Ohm Stainless Steel Attenuator**



Ver A/0 Release Date March, 2018

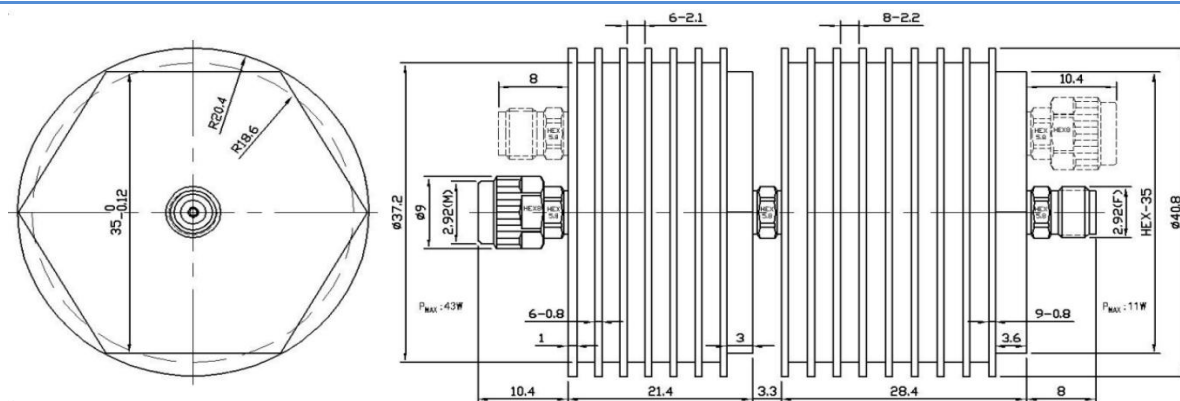
P/N:AT4040

**Features**

- DC~42GHz Frequency Range
- Max Power 43W
- VSWR < 1.58 < 1.38 < 1.26 < 1.18  
C-Class B-Class A-Class S-Class

**Applications**

- Miniature Size
- 2.92mm Interfaces
- Instrumentation
- Precision measurements
- Prototyping and characterization
- Production systems



**Mechanical & Environmental Specifications**

Outer Conductor Coupling Nut	Passivated Stainless Steel or ZTP	Temp. Range	Storage	-55°C~125°C
Radiator	Black Anodized Aluminum Heatsink	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	160 g			

**Electrical Specifications**

Model	Frequency Range(GHz)	Attenuation(dBc) and accuracy				Return Loss(dB)
		10	20	30	40	
AT4040C-XX	DC~40GHz	-2.5/+3.0	-1.8/+2.5	-1.8/+2.2	-1.8/+2.2	-13.0
AT4040B-XX	DC~40GHz	-2.2/+3.0	-1.8/+2.2	-1.8/+2.0	-1.8/+2.0	-15.9
AT4040A-XX	DC~40GHz	-2.2/+2.8	-1.5/+2.2	-1.5/+2.0	-1.5/+2.0	-18.8
AT4040S-XX	DC~40GHz	-2.0/+2.8	-1.5/+2.0	-1.5/+1.8	-1.5/+1.8	-21.7

XX refers to decrease value,C,B,A,S are average power of performance level.Average power: the ambient temperature corresponding to 40W input or 10W output is 25°C.When temperature is up to 100°C.The power decreases linearly to 4W or 1W.

Peak power: Max power 200W (Maximum 5 μ s pulse width, maximum 9% or 3% duty cycle)

Working time: no air cooling, ≤ 5 minutes; with air cooling, air volume ≥ 20CFM, 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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