

AT0250 50Ω 2W 1~40dB DC~52GHz
2.4mm High Performance 50Ohm Stainless Steel Attenuator



Ver A/0 Release Date March 2018

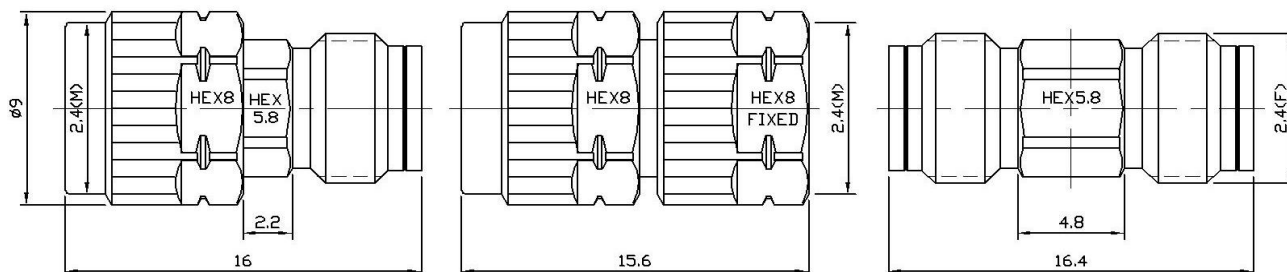
P/N:AT0250

Features

- DC~52GHz 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($\geq 1.27\mu m$)	Altitude	Storage	< 15300 Meters
Female	Beryllium Copper Gold plated($\geq 1.27\mu m$)		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	
AT0250C-XX	DC~50GHz	-0.6/+1.0	-0.8/+1.2	-1.0/+1.0	-1.0/+1.2	-14.7
AT0250B-XX	DC~50GHz	-0.6/+0.9	-0.7/+1.0	-0.8/+0.8	-0.9/+1.0	-17.7
AT0250A-XX	DC~50GHz	-0.5/+0.8	-0.6/+0.9	-0.7/+0.7	-0.8/+0.8	-20.8
AT0250S-XX	DC~50GHz	-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 2.5W power is 25℃.

When temperature is up to 100℃.The power decreases linearly to 0.3W

Peak power: Max power 100W (Maximum 5 μs 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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