

AT0240 50Ω 2W 1~30dB DC~42GHz
2.92mm High Performance 50Ohm Stainless Steel Attenuator



Ver A/0 Release Date March 2018

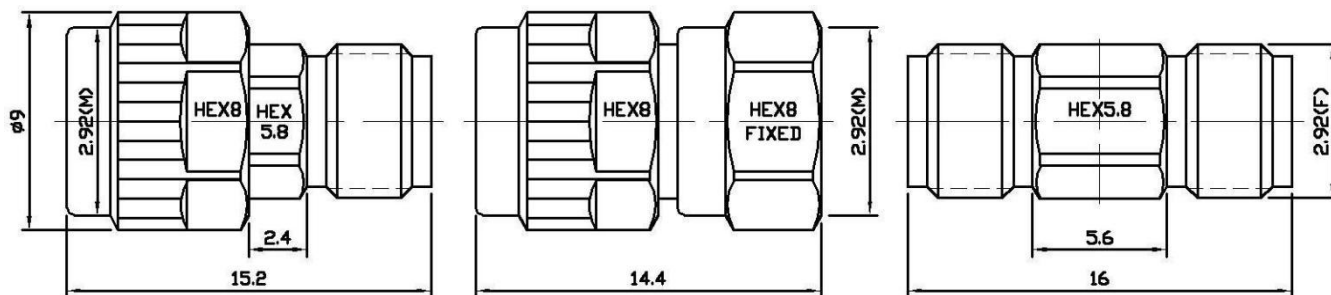
P/N:AT0240

Features

- DC~42GHz Frequency Range
- Max Power 2W
- VSWR < 1.32 < 1.22 < 1.15 < 1.10
 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	Temp. Range	Storage	-55℃~125℃
Radiator	Passivated Stainless Steel		Working Temp.	-55℃~100℃
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	3.5 g			

Electrical Specifications

Model	Frequency Range(GHz)	Attenuation(dBc) and accuracy				Return Loss(dB)
		1~3	4~8	9~15	16~30	
AT0240C-XX	DC~40GHz	-0.5/+1.0	-0.8/+1.0	-0.8/+0.8	-1.0/+1.2	-17.2
AT0240B-XX	DC~40GHz	-0.5/+0.8	-0.7/+0.9	-0.7/+0.7	-0.9/+1.0	-20.1
AT0240A-XX	DC~40GHz	-0.4/+0.7	-0.6/+0.7	-0.6/+0.6	-0.8/+0.8	-23.1
AT0240S-XX	DC~40GHz	-0.4/+0.6	-0.5/+0.7	-0.5/+0.5	-0.6/+0.6	-26.4

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 0.5W

Peak power: Max power 100W (Maximum 5 μ s pulse width, maximum 2% duty cycle)

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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