AT3550 50Ω 35W 10~40dB DC~52GHz

2.4mm High Performance 50Ohm Stainless Steel Attenuator

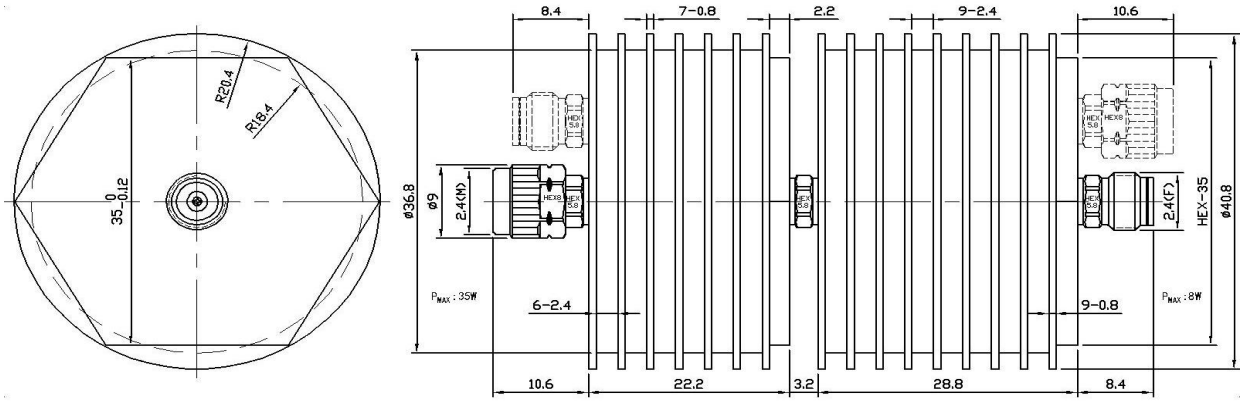
Ver A/0 Release Date March, 2018 P/N:AT3550

Features

- DC~52GHz Frequency Range
- Max Power 35W
- VSWR < 1.68 < 1.44 < 1.29 < 1.20
  C-Class B-Class A-Class S-Class
- Miniature Size
- 2.4mm Interfaces

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	Black Anodized Aluminum Heatsink		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		160 g			

Electrical Specifications

Model	Frequency Range(GHz)	Attenuation(dBc) and accuracy				Return Loss(dB)
		10	20	30	40	
AT3550C-XX	DC~50GHz	-2.8/+3.2	-2.0/+2.8	-2.0/+2.5	-2.0/+2.5	-11.9
AT3550B-XX	DC~50GHz	-2.5/+3.2	-2.0/+2.5	-2.0/+2.2	-2.0/+2.2	-14.9
AT3550A-XX	DC~50GHz	-2.5/+3.0	-1.8/+2.5	-1.8/+2.2	-1.8/+2.2	-17.9
AT3550S-XX	DC~50GHz	-2.2/+3.0	-1.8/+2.2	-1.8/+2.0	-1.8/+2.0	-20.8

XX refers to decrease value,C,B,A,S are average power of performance level.

Average power: The ambient temperature corresponding to bidirectional 35W input or 8W output is 25 ℃

When temperature is up to 100℃.The power decreases linearly to 3.5W or 1W

Peak power: Max power 100W (Maximum 5 μ s pulse width, maximum 10% or 3% duty cycle)

Working time: no air cooling, ≤ 5 minutes; with air cooling, air volume ≥ 18CFM, 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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