

**AT2540 50Ω 25W 10~40dB DC~42GHz**  
**2.92mm High Performance 50Ohm Stainless Steel Attenuator**



Ver A/0 Release Date March, 2018

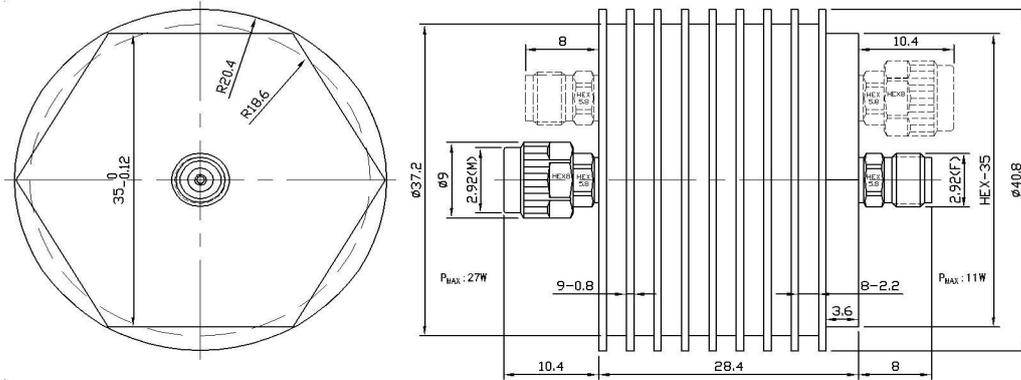
P/N:AT2540

**Features**

- DC~42GHz Frequency Range
- Max Power 27W
- VSWR < 1.45 < 1.30 < 1.20 < 1.14  
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°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	95 g			

**Electrical Specifications**

Model	Frequency Range (GHz)	Attenuation(dBc) and accuracy				Return Loss(dB)
		10	20	30	40	
AT2540C-XX	DC~40GHz	-1.8/+2.2	-1.0/+1.5	-1.0/+1.5	-1.0/+1.5	-14.7
AT2540B-XX	DC~40GHz	-1.8/+2.0	-1.0/+1.2	-1.0/+1.2	-1.0/+1.2	-17.7
AT2540A-XX	DC~40GHz	-1.5/+2.0	-0.8/+1.2	-0.8/+1.2	-0.8/+1.2	-20.8
AT2540S-XX	DC~40GHz	-1.5/+1.8	-0.8/+1.0	-0.8/+1.0	-0.8/+1.0	-23.7

XX refers to decrease value, C, B, A, S are average power of performance level. Average power: the ambient temperature corresponding to 25W input or 10W output is 25°C. When temperature is up to 100°C. The power decreases linearly to 2.5W or 1W.  
 Peak power: Max power 200W (Maximum 5 μ s pulse width, maximum 6% or 3% duty cycle)  
 Working time: no air cooling, ≤ 10 minutes; with air cooling, air volume ≥ 15CFM, 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

Shenzhen RFComs Technology Co.,LTD

Tell: +86 13480725660

Website: www.rfcoms.com

Email: luke@rfcoms.com

The rights of technical information provided on this sheet belongs to RFComs. Contents cannot be distributed to other third-party companies without permission. The specifications are subjected to change without prior notice