

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



Ver A/0 Release Date March, 2018

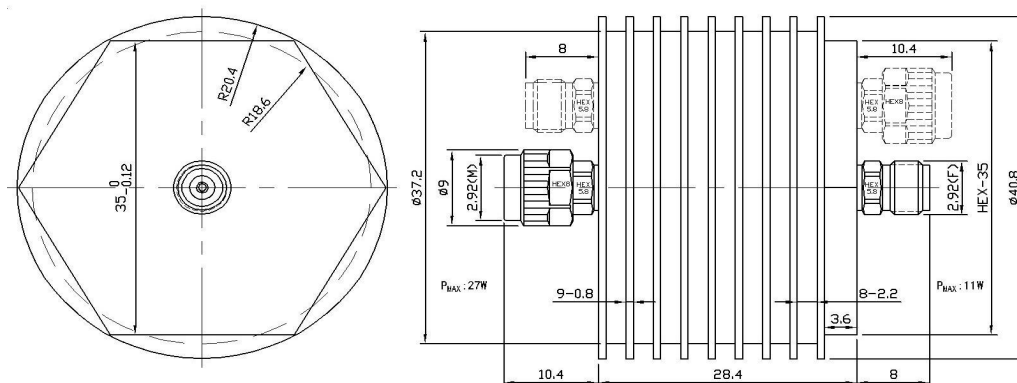
P/N:AT2540

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℃~125℃
Radiator	Black Anodized Aluminum Heatsink	Working Temp.		-55℃~100℃
Inner Conductor Male	Beryllium Copper Gold plated (≥ 1.27μm)	Altitude	Storage	< 15300 Meters
Female	Beryllium Copper Gold plated (≥ 1.27μm)	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℃. When temperature is up to 100℃. The power decreases linearly to 2.5W or 1W.
 Peak power: Max power 200W (Maximum 5 μs 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

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