

**AT3040 50Ω 35W 10~40dB DC~42GHz**  
**2.92mm High Performance 50Ohm Stainless Steel Attenuator**



Ver A/0 Release Date March, 2018

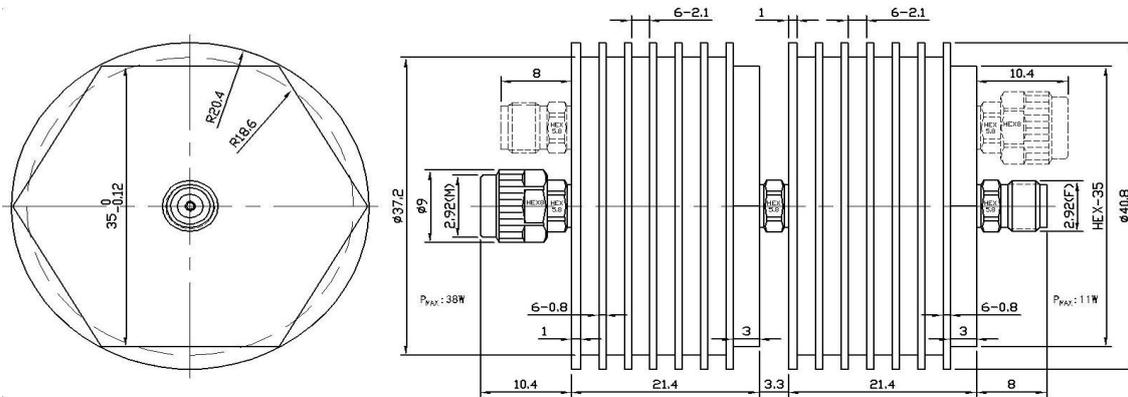
P/N:AT3540

**Features**

- DC~42GHz Frequency Range
- Max Power 38W
- 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                       | 140 g                                    |               |         |                |

**Electrical Specifications**

| Model      | Frequency Range (GHz) | Attenuation(dBc) and accuracy |           |           |           | Return Loss(dB) |
|------------|-----------------------|-------------------------------|-----------|-----------|-----------|-----------------|
|            |                       | 10                            | 20        | 30        | 40        |                 |
| AT3040C-XX | DC~40GHz              | -2.0/+2.5                     | -1.5/+2.0 | -1.5/+2.0 | -1.5/+2.0 | -14.7           |
| AT3040B-XX | DC~40GHz              | -2.0/+2.2                     | -1.5/+1.8 | -1.5/+1.8 | -1.5/+1.8 | -17.7           |
| AT3040A-XX | DC~40GHz              | -1.8/+2.2                     | -1.2/+1.8 | -1.2/+1.8 | -1.2/+1.8 | -20.8           |
| AT3040S-XX | DC~40GHz              | -1.8/+2.0                     | -1.2/+1.5 | -1.2/+1.5 | -1.2/+1.5 | -23.7           |

XX refers to decrease value, C, B, A, S are average power of performance level. Average power: the ambient temperature corresponding to 35W input or 10W output is 25°C. When temperature is up to 100°C. The power decreases linearly to 3.5W or 1W. Peak power: Max power 200W (Maximum 5 μ s pulse width, maximum 8% 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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