

## 100W Coaxial Attenuator DC-18GHz

### Application

- ▶ Wireless communication system.
- ▶ Radar and satellite systems.
- ▶ Testing and measuring equipment.
- ▶ Military, Space and Commercial applications.

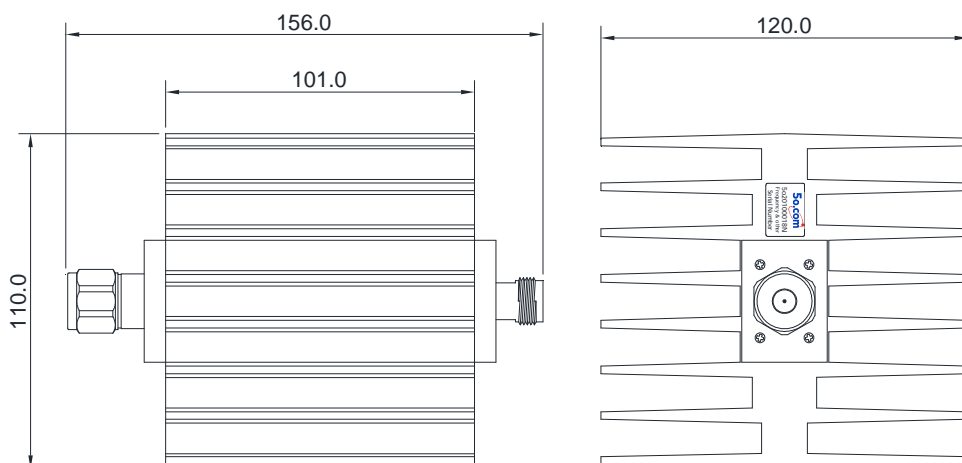
### RF Characteristics

Part Number	Frequency range	Power	Attenuation Value	Attenuation Tolerance	VSWR Max
5o20100018N6	DC-4GHz	100W	6 dB	±0.7 dB	1.2
	4 ~ 8GHz			±0.8 dB	1.25
	8 ~ 12.4GHz			±0.9 dB	1.35
	12.4 ~ 18GHz			±1.5 dB	1.4
5o20100018N10	DC-4GHz		10 dB	±0.7 dB	1.2
	4 ~ 8GHz			±0.8 dB	1.25
	8 ~ 12.4GHz			±0.9 dB	1.35
	12.4 ~ 18GHz			±1.5 dB	1.4
5o20100018N20	DC-4GHz		20 dB	±0.7 dB	1.2
	4 ~ 8GHz			±0.8 dB	1.25
	8 ~ 12.4GHz			±0.9 dB	1.35
	12.4 ~ 18GHz			±1.2 dB	1.4
5o20100018N30	DC-4GHz		30 dB	±0.8 dB	1.2
	4 ~ 8GHz			±0.9 dB	1.25
	8 ~ 12.4GHz			±1.0 dB	1.35
	12.4 ~ 18GHz			±1.2 dB	1.4
5o20100018N40	DC-4GHz	40 dB	±0.8 dB	1.2	
	4 ~ 8GHz		±0.9 dB	1.25	
	8 ~ 12.4GHz		±1.0 dB	1.35	
	12.4 ~ 18GHz		±1.5 dB	1.4	
5o20100018N50	DC-4GHz	100W	50 dB	±1.0 dB	1.2
	4 ~ 8GHz			±1.0 dB	1.25
	8 ~ 12.4GHz			±1.1 dB	1.35
	12.4 ~ 18GHz			±1.5 dB	1.4
5o20100018N60	DC-4GHz	60 dB	±1.0 dB	1.2	
	4 ~ 8GHz		±1.0 dB	1.25	
	8 ~ 12.4GHz		±1.1 dB	1.35	
	12.4 ~ 18GHz		±1.5 dB	1.4	

### Basic Specifications

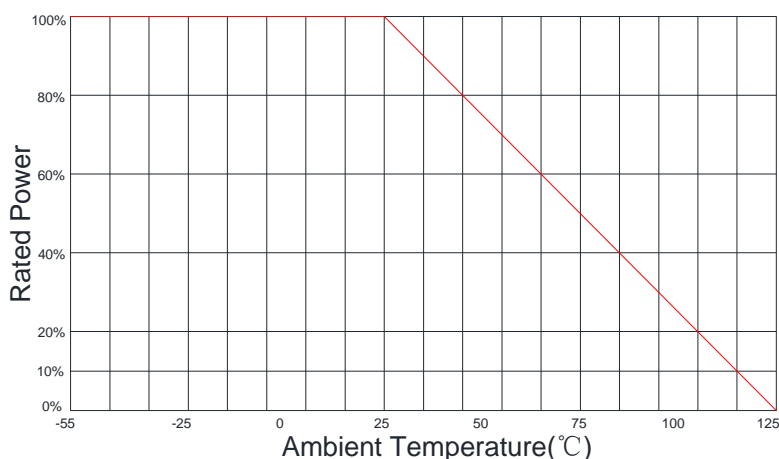
Impedance	50Ω	Connector Type	N Male to Female
Power	100W	Storage Temperature	-55~+125°C

## Overall Dimension(mm)



Tolerances:  $\pm 2\%$  unless otherwise stated.

## Power Derating Diagram



## Notes

- ◆ Coaxial attenuator impedance matched to 50Ω.
- ◆ If necessary, the product shall be air-cooled for auxiliary heat dissipation.
- ◆ For products with a power of over 50W, pay attention to the direction during use and strictly avoid reverse connection.
- ◆ Custom design is available upon request.
- ◆ It supports a one-year standard warranty.