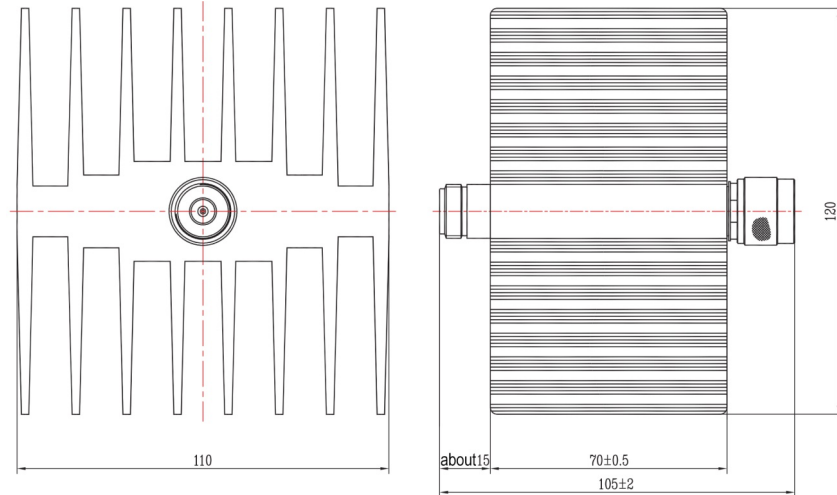




## N Coaxial Fixed Attenuator, R18N50UA-XX DC-18GHz, 50W, 1-60dB, Unidirectional, Rectangular

### Dimensions(mm) Tolerance±1%



### Electrical & Environmental

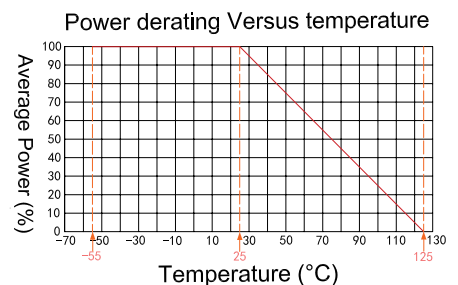
|                         |   |
|-------------------------|---|
| <b>Frequency Range</b>  | DC-18GHz , 50Ohms                               |
| <b>VSWR</b>             | 1.45 Max  |
| <b>Input Avg Power</b>  | 50W @25°C                                       |
| <b>Peak Power</b>       | 800W (5μsec pulse width, 3% duty cycle)         |
| <b>Temp Coefficient</b> | <0.0004 dB/dB/°C                                |
| <b>Direction</b>        | Unidirectional, N male input to N female output |
| <b>Attenuation</b>      | 1-60dB  |
| <b>Operating Temp</b>   | -55°C~+100°C                                    |

| Product Selection, Customizable |        |          |
|---------------------------------|--------|----------|
| RFTOP P/N                       | Values | Accuracy |
| R18N50UA-3                      | 3dB    | ±0.8dB   |
| R18N50UA-6                      | 6dB    | ±0.8dB   |
| R18N50UA-10                     | 10dB   | ±0.8dB   |
| R18N50UA-20                     | 20dB   | ±0.9dB   |
| R18N50UA-30                     | 30dB   | ±1.1dB   |
| R18N50UA-40                     | 40dB   | ±1.2dB   |
| R18N50UA-50                     | 50dB   | ±1.2dB   |
| R18N50UA-60                     | 60dB   | ±1.3dB   |

### Mechanical & Product Information

|                       |   |
|-----------------------|---|
| <b>Product Number</b> | R18N50UA-XX                                     |
| <b>Product Type</b>   | Coaxial Fixed Attenuator, P-Grade               |
| <b>Connector</b>      | N male, N female                                |
| <b>Connector Body</b> | Passivated stainless steel                      |
| <b>Center Contact</b> | Gold plated brass, Gold plated beryllium copper |
| <b>Heat Sink</b>      | Black anodized aluminum                         |
| <b>Net Weight</b>     | About 932.5g                                    |

**Notes:** Pay attention to input/output. To ensure longevity and performance, do not use at full power for a long time. Peak power, pulse width, and duty cycle need to meet the requirements. Input high power, require heat dissipation, maintain temperature within 80°C. Reference Curve, derate linearly to 5W at 100°C.



1. Customized connectors, dimensions, directionality, PIM, dB values.

2. Refer to the RFTOP attenuator selection and usage guide.



# N Coaxial Fixed Attenuator, R18N50UA-XX

## DC-18GHz, 50W, 1-60dB, Unidirectional, Rectangular

### Typical Test Data

