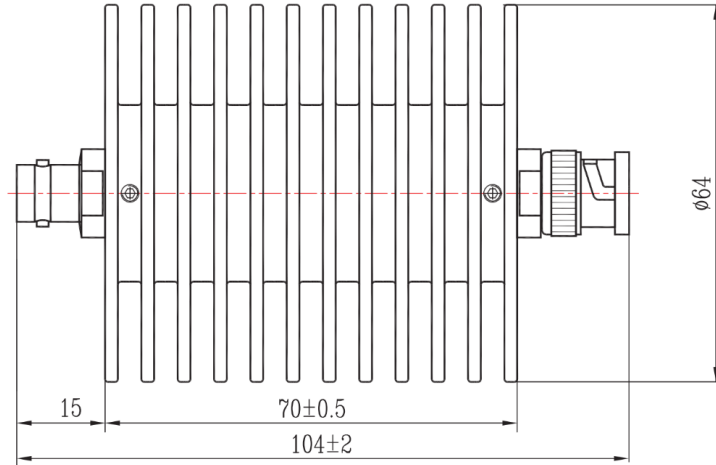




## BNC Coaxial Fixed Attenuator, R4B50U-XX DC-4GHz, 50W, 1-60dB, Unidirectional, Round

### Dimensions(mm) Tolerance±1%



### Electrical & Environmental

|                         |   |
|-------------------------|---|
| <b>Frequency Range</b>  | DC-4GHz , 50Ohms                                    |
| <b>VSWR</b>             | 1.2 Max   |
| <b>Input Avg Power</b>  | 50W @25°C   |
| <b>Peak Power</b>       | 500W (5μsec pulse width, 5% duty cycle)             |
| <b>Temp Coefficient</b> | <0.0004 dB/dB/°C                                    |
| <b>Direction</b>        | Unidirectional, BNC male input to BNC female output |
| <b>Attenuation</b>      | 1-60dB  |
| <b>Operating Temp</b>   | -55°C~+100°C  |

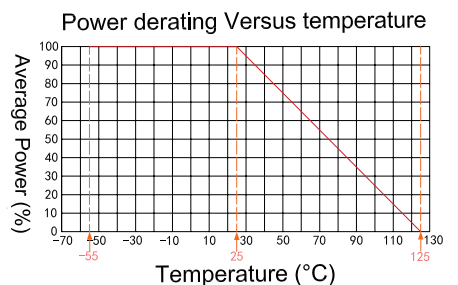
### Product Selection, Customizable

| RFTOP P/N | Values | Accuracy |
|-----------|--------|----------|
| R4B50U-3  | 3dB    | ±0.4dB   |
| R4B50U-6  | 6dB    | ±0.4dB   |
| R4B50U-10 | 10dB   | ±0.4dB   |
| R4B50U-20 | 20dB   | ±0.5dB   |
| R4B50U-30 | 30dB   | ±0.7dB   |
| R4B50U-40 | 40dB   | ±0.7dB   |
| R4B50U-50 | 50dB   | ±0.7dB   |
| R4B50U-60 | 60dB   | ±0.8dB   |

### Mechanical & Product Information

|                       |   |
|-----------------------|---|
| <b>Product Number</b> | R4B50U-XX                                       |
| <b>Product Type</b>   | Coaxial Fixed Attenuator, P-Grade               |
| <b>Connector</b>      | BNC male, BNC female                            |
| <b>Connector Body</b> | Ternary alloy plated brass                      |
| <b>Center Contact</b> | Gold plated brass, Gold plated beryllium copper |
| <b>Heat Sink</b>      | Black anodized aluminum                         |
| <b>Net Weight</b>     | About 320.0g                                    |

**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.



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## Typical Test Data

