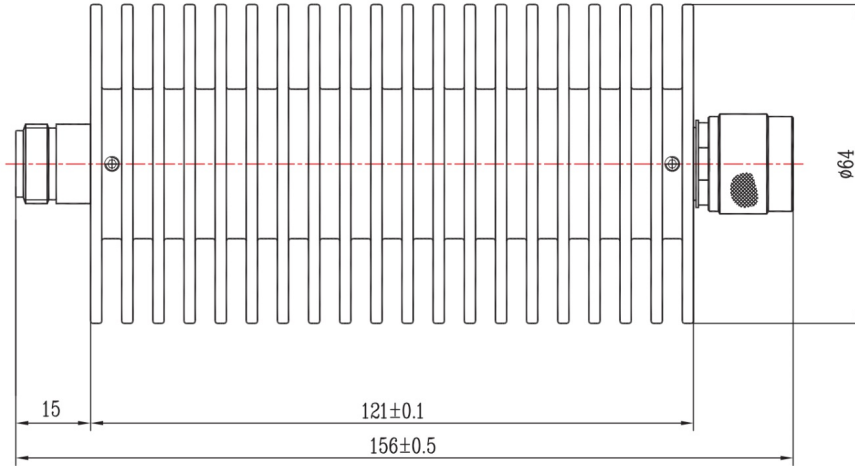




## N Coaxial Fixed Attenuator, R8N100U-XX DC-8.5GHz, 100W, 6-60dB, Unidirectional, Round

### Dimensions(mm) Tolerance±1%



### Electrical & Environmental

<b>Frequency Range</b>	DC-8.5GHz , 50ohms
<b>VSWR</b>	1.25 Max
<b>Input Avg Power</b>	100W @25°C
<b>Peak Power</b>	1kW (5μsec pulse width, 5% 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>	6-60dB
<b>Operating Temp</b>	-55°C~+100°C

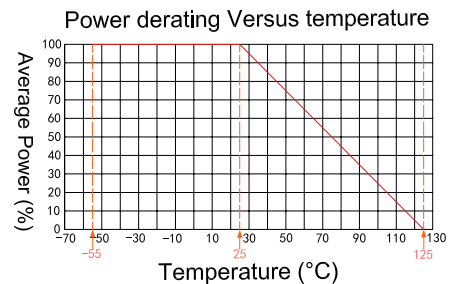
### Product Selection, Customizable

RFTOP P/N	Values	Accuracy
R8N100U-6	6dB	±0.8dB
R8N100U-10	10dB	±0.8dB
R8N100U-20	20dB	±0.8dB
R8N100U-30	30dB	±0.9dB
R8N100U-40	40dB	±0.9dB
R8N100U-50	50dB	±0.9dB
R8N100U-60	60dB	±1.0dB

### Mechanical & Product Information

<b>Product Number</b>	R8N100U-XX
<b>Product Type</b>	Coaxial Fixed Attenuator, P-Grade
<b>Connector</b>	N male, N 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 600.0g

**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 10W 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

