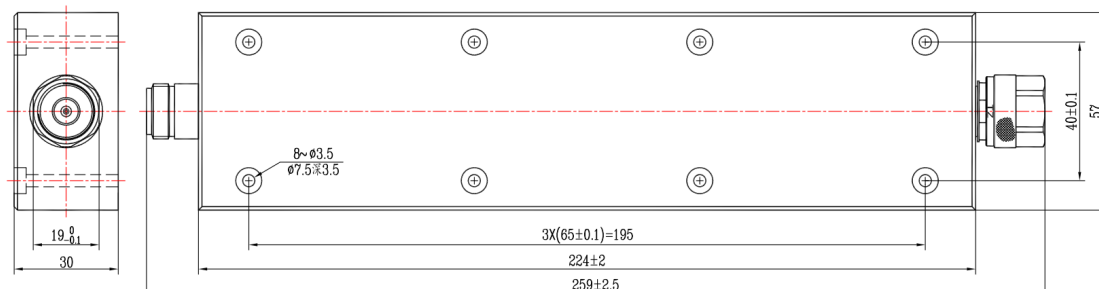


## N Coaxial Fixed Attenuator, **R12N250UC-XX** DC-12.4GHz, 250W, 10-60dB, Unidirectional, Rectangular

### Dimensions(mm) Tolerance $\pm 1\%$



### Electrical & Environmental

|                  |                                                 |
|------------------|-------------------------------------------------|
| Frequency Range  | DC-12.4GHz , 50Ohms                             |
| VSWR             | 1.35 Max                                        |
| Input Avg Power  | 250W @25°C                                      |
| Peak Power       | 1kW (5μsec pulse width, 10% duty cycle)         |
| Temp Coefficient | <0.0004 dB/dB/°C                                |
| Direction        | Unidirectional, N male input to N female output |
| Attenuation      | 10-60dB                                         |
| Operating Temp   | -55°C~+125°C                                    |

### Product Selection, Customizable

| RFTOP P/N    | ATTEN | Accuracy     |
|--------------|-------|--------------|
| R12N250UC-10 | 10 dB | $\pm 2.5$ dB |
| R12N250UC-20 | 20 dB | $\pm 0.9$ dB |
| R12N250UC-30 | 30 dB | $\pm 1.0$ dB |
| R12N250UC-40 | 40 dB | $\pm 1.1$ dB |
| R12N250UC-50 | 50 dB | $\pm 1.1$ dB |
| R12N250UC-60 | 60 dB | $\pm 1.1$ dB |

**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 25W at 100°C.

### Mechanical & Product Information

|                |                                                 |
|----------------|-------------------------------------------------|
| Product Number | R12N250UC-XX                                    |
| Product Type   | Coaxial Fixed Attenuator, P-Grade, Built-IN     |
| Connector      | N male, N female                                |
| Connector Body | Ternary alloy plated brass                      |
| Center Contact | Gold plated brass, Gold plated beryllium copper |
| Heat Sink      | Black anodized aluminum                         |
| Net Weight     | About 1.3kg                                     |

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

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

Power derating Versus temperature

