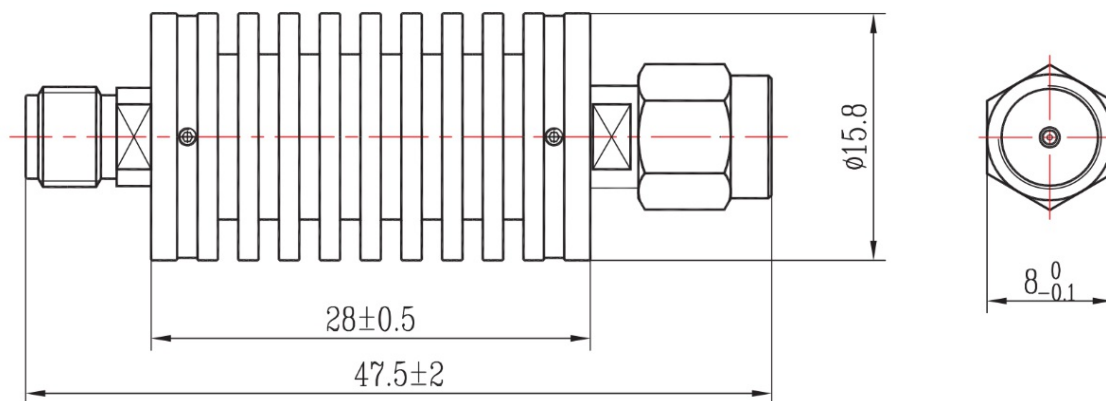




## SMA Coaxial Fixed Attenuator, R12S10-XX DC-12.4GHz, 10W, 1-40dB, Bidirectional, Round

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



### Electrical & Environmental

|                  |                                         |
|------------------|-----------------------------------------|
| Frequency Range  | DC-12.4GHz , 50Ohms                     |
| VSWR             | 1.25 Max                                |
| Input Avg Power  | 10W @25°C                               |
| Peak Power       | 500W (5μsec pulse width, 1% duty cycle) |
| Temp Coefficient | <0.0004 dB/dB/°C                        |
| Direction        | Bidirectional, SMA male to SMA female   |
| Attenuation      | 1-40dB                                  |
| Operating Temp   | -55°C~+125°C                            |

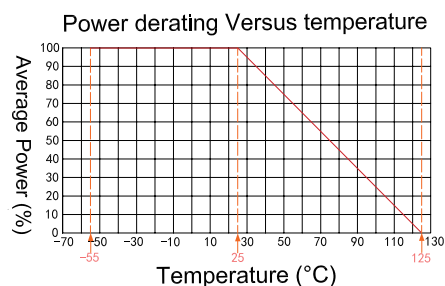
### Product Selection, Customizable

| RFTOP P/N | ATTEN | Accuracy     |
|-----------|-------|--------------|
| R12S10-3  | 3 dB  | $\pm 0.6$ dB |
| R12S10-6  | 6 dB  | $\pm 0.6$ dB |
| R12S10-10 | 10 dB | $\pm 0.6$ dB |
| R12S10-15 | 15 dB | $\pm 0.7$ dB |
| R12S10-20 | 20 dB | $\pm 0.7$ dB |
| R12S10-30 | 30 dB | $\pm 0.8$ dB |
| R12S10-40 | 40 dB | $\pm 0.9$ dB |

### Mechanical & Product Information

|                |                                                 |
|----------------|-------------------------------------------------|
| Product Number | R12S10-XX                                       |
| Product Type   | Coaxial Fixed Attenuator, P-Grade               |
| Connector      | SMA male, SMA female                            |
| Connector Body | Passivated stainless steel                      |
| Center Contact | Gold plated brass, Gold plated beryllium copper |
| Heat Sink      | Black anodized aluminum                         |
| Net Weight     | About 16.0g                                     |

**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 60°C. Reference Curve, derate linearly to 1W at 100°C.



1. Customized connectors, dimensions, directionality, PIM, dB values.
2. Refer to the RFTOP attenuator selection and usage guide.



# SMA Coaxial Fixed Attenuator, R12S10-XX

## DC-12.4GHz, 10W, 1-40dB, Bidirectional, Round

### Typical Test Data

