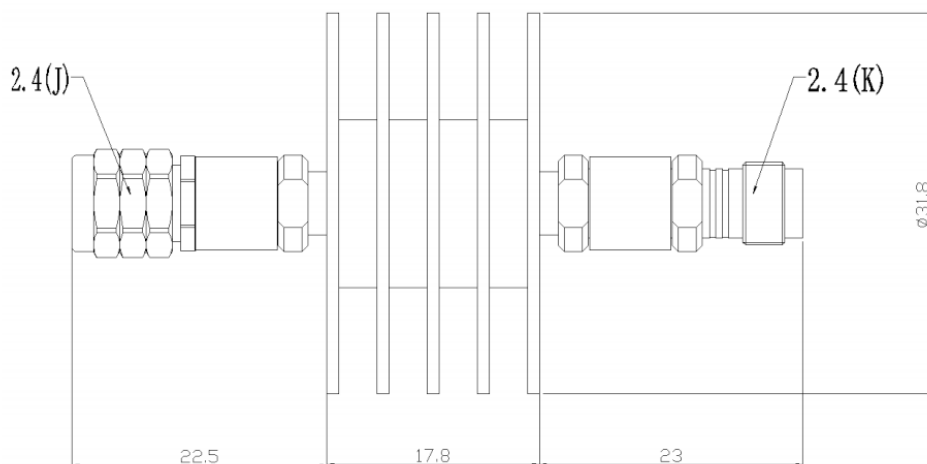


## 2.4mm Coaxial Fixed Attenuator, R505X-XX DC-50GHz, 5W, 1-30dB, Bidirectional, Round

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



### Electrical & Environmental

|                  |                                           |
|------------------|-------------------------------------------|
| Frequency Range  | DC-50GHz , 50Ohms                         |
| VSWR             | 1.35 Max                                  |
| Input Avg Power  | 5W @25°C                                  |
| Peak Power       | 20W (5μsec pulse width, 2.5% duty cycle)  |
| Temp Coefficient | <0.0004 dB/dB/°C                          |
| Direction        | Bidirectional, 2.4mm male to 2.4mm female |
| Attenuation      | 1-30dB                                    |
| Operating Temp   | -55°C~+125°C                              |

### Product Selection, Customizable

| RFTOP P/N | ATTEN | Accuracy     |
|-----------|-------|--------------|
| R505X-3   | 3 dB  | +1.2/-1.0 dB |
| R505X-6   | 6 dB  | +1.2/-1.0 dB |
| R505X-10  | 10 dB | +1.2/-1.0 dB |
| R505X-20  | 20 dB | +1.2/-1.0 dB |
| R505X-30  | 30 dB | +1.5/-1.2 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 60°C. Reference Curve, derate linearly to 0.5W at 100°C.

### Mechanical & Product Information

|                |                                             |
|----------------|---------------------------------------------|
| Product Number | R505X-XX                                    |
| Product Type   | Coaxial Fixed Attenuator, P-Grade           |
| Connector      | 2.4mm male, 2.4mm female                    |
| Connector Body | Passivated stainless steel                  |
| Center Contact | 1.27μm Gold plated brass & beryllium copper |
| Heat Sink      | Black anodized aluminum                     |
| Net Weight     | About 30.0g                                 |

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

Power derating Versus temperature

