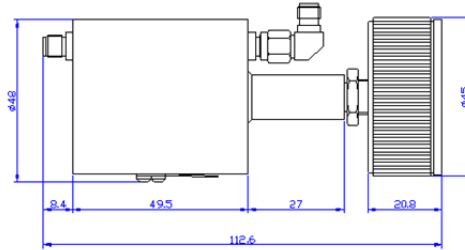
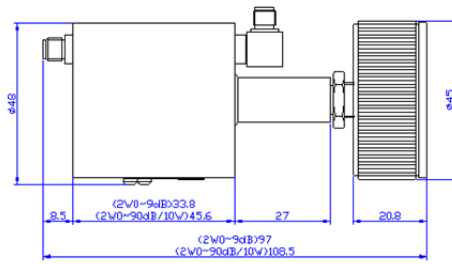


Rotary Step attenuators are used to adjust the power signal level by step within certain frequency range, they can also be used to adjust the test system's power level as inset attenuators, it is small with high accuracy and high stability etc.

SATRXX-1-XX-X-A5 type rotary step attenuators' average power 2W,10W, 25W, frequency range from DC-26.5GHz, attenuation value 0-80dB by 1dB/ 10dB step.



| MECHANICAL SPECIFICATIONS |  |
|---------------------------|--|
| Connectors                | Brass Nickel Plated  |
| Female Pin                | Beryllium Copper Gold Plated                                       |
| Housing                   | Aluminum   |
| Temp Range                | -20°C~+85°C  |
| Dimensions                | 2W 0~9dB:Ø48×97mm<br>2W 0~90dB/10W:Ø48×108.5mm<br>25W: Ø48×112.6mm |
| Weight                    | 2W 0~9dB:220g<br>0~90dB/10W: 280g<br>25W:300g                      |

RoHS Compliant: Yes

### ELECTRICAL SPECIFICATIONS

| Model Number        | Frequency Range(GHz) | Attenuation Step Size | Max VSWR | Insertion Loss(dB) | Attenuation Accuracy(dB)          |
|---------------------|----------------------|-----------------------|----------|--------------------|-----------------------------------|
| SATR02-1-9-8-A5     | DC-8                 | 0-9dB in 1dB steps    | 1.40     | ≤0.8               | ±0.6                              |
| SATR02-1-9-12.4-A5  | DC-12.4              |                       | 1.50     | ≤1.0               | ±0.8                              |
| SATR02-1-9-18-A5    | DC-18                |                       | 1.60     | ≤1.2               | ±1.0                              |
| SATR02-1-90-8-A5    | DC-8                 | 0-90dB in 10dB steps  | 1.40     | ≤1.0               | ±1.5(0~60)<br>±2.5 or 3.5%(70~90) |
| SATR02-1-90-12.4-A5 | DC-12.4              |                       | 1.50     | ≤1.2               |                                   |
| SATR02-1-90-18-A5   | DC-18                |                       | 1.60     | ≤1.5               |                                   |
| SATR10-1-9-8-A5     | DC-8                 | 0-9dB in 1dB steps    | 1.40     | ≤0.8               | ±0.6                              |
| SATR10-1-9-12.4-A5  | DC-12.4              |                       | 1.50     | ≤1.0               | ±0.8                              |
| SATR10-1-9-18-A5    | DC-18                |                       | 1.60     | ≤1.2               | ±1.0                              |
| SATR10-1-90-8-A5    | DC-8                 | 0-90dB in 10dB steps  | 1.40     | ≤1.0               | ±1.5(0~60)<br>±2.5 or 3.5%(70~90) |
| SATR10-1-90-12.4-A5 | DC-12.4              |                       | 1.50     | ≤1.2               |                                   |
| SATR10-1-90-18-A5   | DC-18                |                       | 1.60     | ≤1.5               |                                   |
| SATR25-1-70-18-A5   | DC-18                | 0-70dB in 10dB steps  | 1.65     | ≤1.0               | ±1.5dB or 4%                      |
| SATR25-1-60-26.5-A5 | DC-26.5              | 0-60dB in 10dB steps  | 1.80     | ≤1.8               |                                   |

**NOMINAL IMPEDANCE:** 50Ω

**AVERAGE POWER:** 2W,10W,25W

**PEAK POWER:** 200W(5μs pulse width with 1% duty cycles)

**CONNECTOR TYPE:** SMA(F,F)

**Notes:**

1. Dimensions Tolerance  $\pm 5\%$
2. Custom designs available for other special attenuation value & accuracy.