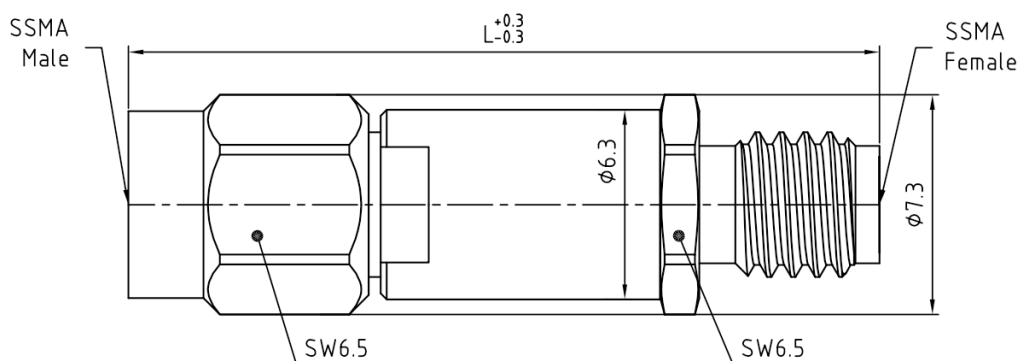


## SSMA Coaxial Fixed Attenuator, R27SA2-XX DC-26.5GHz, 2W, 1-40dB, Bidirectional, Round



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



0-20dB:L=25

30/40dB:L=27

### Electrical & Environmental

|                  |                                         |
|------------------|-----------------------------------------|
| Frequency Range  | DC-26.5GHz , 50Ohms                     |
| VSWR             | 1.4 Max                                 |
| Input Avg Power  | 2W @25°C                                |
| Peak Power       | 50W (5μsec pulse width, 2% duty cycle)  |
| Temp Coefficient | <0.0004 dB/dB/°C                        |
| Direction        | Bidirectional, SSMA male to SSMA female |
| Attenuation      | 1-40dB                                  |
| Operating Temp   | -55°C~+125°C                            |

### Product Selection, Customizable

| RFTOP P/N | ATTEN | Accuracy     |
|-----------|-------|--------------|
| R27SA2-3  | 3 dB  | +0.8/-0.4 dB |
| R27SA2-6  | 6 dB  | +0.8/-0.4 dB |
| R27SA2-10 | 10 dB | $\pm 0.6$ dB |
| R27SA2-20 | 20 dB | $\pm 0.6$ dB |
| R27SA2-30 | 30 dB | +1.0/-0.8 dB |
| R27SA2-40 | 40 dB | +1.0/-0.8 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 0.2W at 100°C.

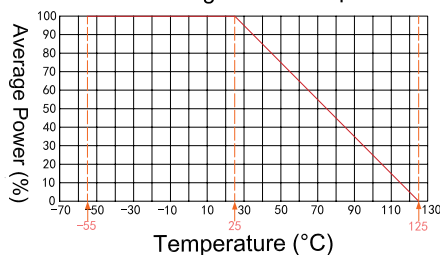
### Mechanical & Product Information

|                |                                                 |
|----------------|-------------------------------------------------|
| Product Number | R27SA2-XX                                       |
| Product Type   | Coaxial Fixed Attenuator                        |
| Connector      | SSMA male, SSMA female                          |
| Connector Body | Passivated stainless steel                      |
| Center Contact | Gold plated brass, Gold plated beryllium copper |
| Heat Sink      | N/A                                             |
| Net Weight     | About 3.0g                                      |

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

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

Power derating Versus temperature





## SSMA Coaxial Fixed Attenuator, R27SA2-XX DC-26.5GHz, 2W, 1-40dB, Bidirectional, Round

### Typical Test Data

10dB

