



## Coaxial Fixed Attenuator

**SRFS-AT06XXSD50-D**

**DC-6 GHz, 1-50 dB, 50 Watts, SMA, Unidirectional**

### Electrical

|                        |                                                                                    |      |      |       |
|------------------------|------------------------------------------------------------------------------------|------|------|-------|
| <b>Impedance</b>       | 50 ohm                                                                             |      |      |       |
| <b>Frequency Range</b> | DC-6 GHz                                                                           |      |      |       |
| <b>VSWR</b>            | 1.25 max                                                                           |      |      |       |
| <b>Input Avg Power</b> | 50W@ 25°C ambient, derating linearly to 5W at 100°C                                |      |      |       |
| <b>Peak Power</b>      | 500W (5 micro-sec pulse width, 5% duty cycle)                                      |      |      |       |
| <b>Direction</b>       | Unidirectional, SMA male input, SMA female output (other configurations available) |      |      |       |
| <b>Attenuation(dB)</b> | 1-10                                                                               | 20   | 30   | 40,50 |
| <b>Accuracy(dB)</b>    | ±0.5                                                                               | ±0.6 | ±0.8 | ±0.8  |

### Mechanical

|                       |                                    |
|-----------------------|------------------------------------|
| <b>Connector Body</b> | Ternary alloy plated brass         |
| <b>Heat Sink</b>      | Black anodized aluminum            |
| <b>Center Contact</b> | Gold plated beryllium copper/brass |
| <b>Net Weight</b>     | Approx 1000 g                      |

### Environmental

|                                |                  |
|--------------------------------|------------------|
| <b>Operating Temperature</b>   | -55°C to 100°C   |
| <b>Storage Temperature</b>     | -55°C to 125°C   |
| <b>RoHS</b>                    | Compliant        |
| <b>Temperature Coefficient</b> | <0.0004 dB/dB/°C |

### Dimensions(mm)

