

## Coaxial Fixed Attenuator

**SRFS-12XX100**

**DC-12.4 GHz, 6-60 dB, 100 Watts, N, Unidirectional**



### Electrical

|                        |                                                                                |      |      |      |       |
|------------------------|--------------------------------------------------------------------------------|------|------|------|-------|
| <b>Impedance</b>       | 50 ohm                                                                         |      |      |      |       |
| <b>Frequency Range</b> | DC-12.4 GHz                                                                    |      |      |      |       |
| <b>VSWR</b>            | 1.35 max                                                                       |      |      |      |       |
| <b>Input Avg Power</b> | 100W@ 25°C ambient, derating linearly to 10W at 100°C                          |      |      |      |       |
| <b>Peak Power</b>      | 1kW (5 micro-sec pulse width, 5% duty cycle)                                   |      |      |      |       |
| <b>Direction</b>       | Unidirectional, N male input, N female output (other configurations available) |      |      |      |       |
| <b>Attenuation(dB)</b> | 6-10                                                                           | 20   | 30   | 40   | 50,60 |
| <b>Accuracy(dB)</b>    | ±0.9                                                                           | ±0.9 | ±1.0 | ±1.0 | ±1.1  |

### 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 600 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)

