

## Coaxial Fixed Attenuator

**SRFS-18XX50**



**DC-18 GHz, 1-50 dB, 50 Watts, N, Unidirectional**

### Electrical

|                        |                                                                                |      |      |       |
|------------------------|--------------------------------------------------------------------------------|------|------|-------|
| <b>Impedance</b>       | 50 ohm                                                                         |      |      |       |
| <b>Frequency Range</b> | DC-18 GHz                                                                      |      |      |       |
| <b>VSWR</b>            | 1.45 max                                                                       |      |      |       |
| <b>Input Avg Power</b> | 50W@ 25°C ambient, derating linearly to 5W at 100°C                            |      |      |       |
| <b>Peak Power</b>      | 800W (5 micro-sec pulse width, 3% duty cycle)                                  |      |      |       |
| <b>Direction</b>       | Unidirectional, N male input, N female output (other configurations available) |      |      |       |
| <b>Attenuation(dB)</b> | 1-10                                                                           | 20   | 30   | 40,50 |
| <b>Accuracy(dB)</b>    | ±0.8                                                                           | ±0.9 | ±1.1 | ±1.2  |

### Mechanical

|                       |                                    |
|-----------------------|------------------------------------|
| <b>Connector Body</b> | Passivated stainless steel         |
| <b>Heat Sink</b>      | Black anodized aluminum            |
| <b>Center Contact</b> | Gold plated beryllium copper/brass |
| <b>Net Weight</b>     | Approx 950 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)

