

## Coaxial Fixed Attenuator

**SRFS-18XXNC10**



**DC-18 GHz, 1-60 dB, 10 Watts, N, Bidirectional**

### Electrical

|                        |                                                                    |  |  |  |  |  |
|------------------------|--------------------------------------------------------------------|--|--|--|--|--|
| <b>Impedance</b>       | 50 ohm                                                             |  |  |  |  |  |
| <b>Frequency Range</b> | DC-18 GHz                                                          |  |  |  |  |  |
| <b>VSWR</b>            | 1.45 max                                                           |  |  |  |  |  |
| <b>Input Avg Power</b> | 10W@ 25°C ambient, derating linearly to 1W at 100°C                |  |  |  |  |  |
| <b>Peak Power</b>      | 500W (5 micro-sec pulse width, 1% duty cycle)                      |  |  |  |  |  |
| <b>Direction</b>       | Bidirectional, N female to N male (other configurations available) |  |  |  |  |  |

|                        |      |       |       |       |       |       |
|------------------------|------|-------|-------|-------|-------|-------|
| <b>Attenuation(dB)</b> | 1-10 | 11-20 | 21-30 | 31-40 | 41-50 | 51-60 |
| <b>Accuracy(dB)</b>    | ±0.6 | ±0.8  | ±1.0  | ±1.2  | ±1.3  | ±1.5  |

### 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 90 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)

