

## Coaxial Fixed Attenuator

**SRFS-18XXNC20**

**DC-18 GHz, 1-60 dB, 20 Watts, N, Bidirectional**



### Electrical

|                 |                                                                    |  |  |  |
|-----------------|--------------------------------------------------------------------|--|--|--|
| Impedance       | 50 ohm                                                             |  |  |  |
| Frequency Range | DC-18 GHz                                                          |  |  |  |
| VSWR            | 1.45 max                                                           |  |  |  |
| Input Avg Power | 20W@ 25°C ambient, derating linearly to 2W at 100°C                |  |  |  |
| Peak Power      | 800W (5 micro-sec pulse width, 1.25% duty cycle)                   |  |  |  |
| Direction       | Bidirectional, N female to N male (other configurations available) |  |  |  |

|                 |      |       |       |       |
|-----------------|------|-------|-------|-------|
| Attenuation(dB) | 1-10 | 11-20 | 21-30 | 31-40 |
| Accuracy(dB)    | ±0.6 | ±0.8  | ±1.0  | ±1.2  |

### Mechanical

|                |                                    |
|----------------|------------------------------------|
| Connector Body | Ternary alloy plated brass         |
| Heat Sink      | Black anodized aluminum            |
| Center Contact | Gold plated beryllium copper/brass |
| Net Weight     | Approx 120 g                       |

### Environmental

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

### Dimensions(mm)

