

## Coaxial Fixed Attenuator

**SRFS-AT18XXSD20**

DC-18 GHz, 1-40 dB, 20 Watts, SMA, Unidirectional



### 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      | 500W (5 micro-sec pulse width, 1% duty cycle)                                      |       |       |       |
| Direction       | Unidirectional, SMA male input, SMA female output (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 | Passivated stainless steel         |
| Heat Sink      | Black anodized aluminum            |
| Center Contact | Gold plated beryllium copper/brass |
| Heat Sink Size | 54(L)*15(φ)                        |

### 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)

