

## Coaxial Fixed Attenuator

**SRFS-06XXDC10**

**DC-6 GHz, 1-50 dB, 10 Watts, DIN 7/16, Bidirectional**



### Electrical

|                        |                                                                                  |      |      |       |
|------------------------|----------------------------------------------------------------------------------|------|------|-------|
| <b>Impedance</b>       | 50 ohm                                                                           |      |      |       |
| <b>Frequency Range</b> | DC-6 GHz                                                                         |      |      |       |
| <b>VSWR</b>            | 1.25 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, DIN 7/16 female to DIN 7/16 male (other configurations available) |      |      |       |
| <b>Attenuation(dB)</b> | 1-10                                                                             | 20   | 30   | 40-50 |
| <b>Accuracy(dB)</b>    | ±0.5                                                                             | ±0.6 | ±0.8 | ±0.9  |

### 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 150 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)

