

## FSFA250-18-XX-N

Coaxial Fixed Attenuator, DC-18 GHz, 250 W, N

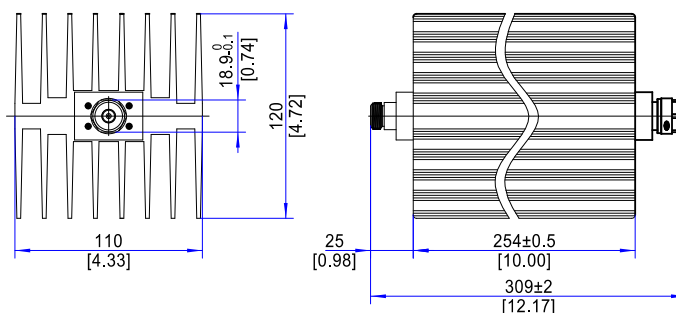
| Electrical Specifications |                   |                                                |
|---------------------------|-------------------|------------------------------------------------|
| 1                         | Frequency Range   | DC-18 GHz                                      |
| 2                         | Nominal Impedance | 50 $\Omega$                                    |
| 3                         | Average Power     | 250 W at 25 °C                                 |
| 4                         | Peak Power        | 1 kW (5 $\mu$ s pulse width, 12.5% duty cycle) |
| 5                         | Attenuation Value | 10, 20, 30, 40, 50-60 dB                       |

### Attenuation, Accuracy & VSWR

| Frequency Range (GHz) | VSWR (Max.) | Attenuation & Accuracy (dB) |           |           |           |           |
|-----------------------|-------------|-----------------------------|-----------|-----------|-----------|-----------|
|                       |             | 10                          | 20        | 30        | 40        | 50-60     |
| DC-4                  | 1.20:1      | $\pm 0.7$                   | $\pm 0.7$ | $\pm 0.8$ | $\pm 0.9$ | $\pm 0.9$ |
| DC-8                  | 1.25:1      | $\pm 0.8$                   | $\pm 0.8$ | $\pm 0.9$ | $\pm 0.9$ | $\pm 0.9$ |
| DC-12.4               | 1.35:1      | $\pm 2.5$                   | $\pm 0.9$ | $\pm 1.0$ | $\pm 1.1$ | $\pm 1.1$ |
| DC-18                 | 1.45:1      | $\pm 3.0$                   | -         | $\pm 1.5$ | $\pm 1.3$ | $\pm 1.4$ |

| Environmental Specifications |                       |                                                                         |
|------------------------------|-----------------------|-------------------------------------------------------------------------|
| 1                            | Operating Temperature | -55 °C to +125 °C                                                       |
| Mechanical Specifications    |                       |                                                                         |
| 1                            | Connectors            | N Male to N Female (Standard)<br>(Connector Configuration Customizable) |
| 2                            | Outer Conductor       | Brass                                                                   |
| 3                            | Heat Sink             | Black Anodized Aluminum                                                 |
| 4                            | Cooling Method        | Natural Convection                                                      |
| 5                            | Dimensions            | 309 x 110 x 120 mm [12.17 x 4.33 x 4.7 in]                              |

### Outline Drawing (Dimensions in mm [in], Tolerance: $\pm 2\%$ )



### Ordering Information:

Model: **FSFA250-FF-XX-CC**

FF = Frequency Options (4, 8, 12.4, or 18 GHz)

XX = Attenuation Value in dB

CC = Connector Configuration (N=N Male - Female, NFNF=N Female - Female)

Example: 8 GHz, 20 dB, N(m)-N(f)→**FSFA250-8-20-N**