

## FSFA300-6-XX-N-P

Coaxial Fixed Attenuator, DC-6 GHz, 300 W, N, High Peak Power

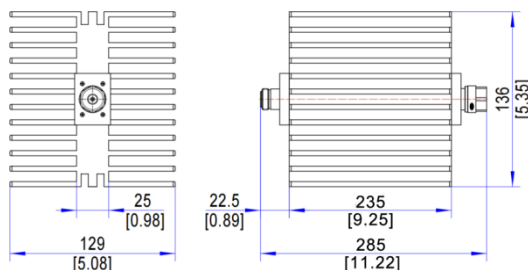
| Electrical Specifications |                   |                                             |
|---------------------------|-------------------|---------------------------------------------|
| 1                         | Frequency Range   | DC-6 GHz                                    |
| 2                         | Nominal Impedance | 50 $\Omega$                                 |
| 3                         | Average Power     | 300 W at 25 °C                              |
| 4                         | Peak Power        | 5 kW (5 $\mu$ s pulse width, 3% duty cycle) |
| 5                         | Attenuation Value | 10, 20, 30, 40, 50 dB                       |

### Attenuation, Accuracy & VSWR

| Frequency Range (GHz) | VSWR (Max.) | Attenuation & Accuracy (dB) |            |           |           |           |
|-----------------------|-------------|-----------------------------|------------|-----------|-----------|-----------|
|                       |             | 10                          | 20         | 30        | 40        | 50        |
| DC-1                  | 1.10:1      | $\pm 1.0$                   | $\pm 1.0$  | $\pm 0.5$ | $\pm 0.5$ | $\pm 0.5$ |
| DC-2                  | 1.15:1      | $\pm 1.5$                   | $\pm 1.5$  | $\pm 1.0$ | $\pm 1.0$ | $\pm 1.0$ |
| DC-3                  | 1.20:1      | $\pm 1.75$                  | $\pm 1.75$ | $\pm 2.0$ | $\pm 2.0$ | $\pm 2.0$ |
| DC-4                  | 1.30:1      | $\pm 2.0$                   | $\pm 2.0$  | $\pm 2.0$ | $\pm 2.0$ | $\pm 2.0$ |
| DC-6                  | 1.40:1      | $\pm 3.5$                   | $\pm 3.5$  | $\pm 3.5$ | $\pm 3.5$ | $\pm 3.5$ |

| 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            | 285 x 129 x 136 mm [11.22 x 5.08 x 5.35 in]                             |

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



### Ordering Information:

Model: **FSFA300-FF-XX-CC-P**

FF = Frequency Options (1, 2, 3, 4, or 6 GHz)

XX = Attenuation Value in dB

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

Example: 6 GHz, 30 dB, N(m)-N(f)→**FSFA300-6-30-N-P**