# FSA06D

## DC~6GHz, 0~121dB, 10W

Features:
* Low VSWR
* High Attenuation Flatness

Applications:
* Wireless
* Transmitter
* Laboratory Test
* Radar

### Description

FSA06D series Rotary Stepped Attenuators cover frequency range DC~6GHz. Rotary stepped attenuators can adjust the power level of microwave circuit in a certain frequency range by step.

### Specifications

| Frequency (GHz) | Attenuation Range/Step (dB) | VSWR (Max.) | IL (dB Max.) | Attenuation Accuracy (±dB) | Avg Power (W) | Connectors |
|---|---|---|---|---|---|---|
| DC~2.5 | 0~71/0.1 | 1.5 | 1.5 | 0.3 (<1dB), 0.5 (1~10dB), 0.8 or 3% (10.1~69.9dB), 3.5% (≥70dB) | 2, 10 | N |
| DC~3 | | 1.6 | 1.7 | | | |
| DC~4.3 | | 1.7 | 2 | | | |
| DC~6 | | 1.75 | 2.5 | | | |
| DC~2.5 | 0~101/0.1 | 1.5 | 1.5 | 0.3 (<1dB), 0.5 (1~10dB), 0.8 or 3% (10.1~69.9dB), 3.5% (≥70dB) | 2, 10 | N |
| DC~3 | | 1.6 | 1.7 | | | |
| DC~6 | 0~95/1 | 1.75 | 2.5 | 0.5 (≤10dB), 0.8 or 3% (11~69dB), 6% (70~99dB), 7% (100~121dB) | 2, 10 | N |
| | 0~110/1 | | | | | |
| | 0~121/1 | | | | | |

### Electrical

| | |
|---|---|
| Impedance: | 50Ω |
| Peak Powr[*1]: | 100W |

[1] Pulse width: 5us, duty cycle: 2%.

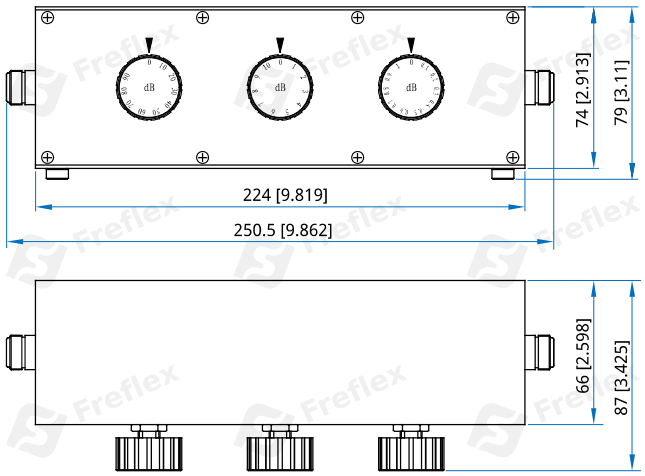
### Environmental

| | |
|---|---|
| Temperature: | -20~+85℃ |

### Mechanical

| | |
|---|---|
| Size: | 250.5*87*79mm |
| | 9.862*3.425*3.11in |
| Weight: | 1.63Kg |
| RF Connectors: | N Female |
| Housing Materials: | Aluminum |

### Outline Drawings




### How To Order

FSA06D-W-X-Y-Z

W: Stop Frequency in GHz
X: Maximum attenuation in dB
Y: Power in Watts
Z: Connector type

Connector naming rules:
N - N Female

Examples:
To order an attenuator, DC~6GHz, 0~121dB attenuation, 2W, N female, specify FSA06D-6-121-2-N.

Customization is available upon request.

Unit: mm [inch]  Tolerance: ±1mm [±0.04in]