

## QFA18K2

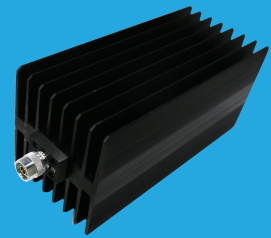
### DC~18GHz, 200W

**Features:**

- \* Low VSWR
- \* High Attenuation Flatness

**Applications:**

- \* Wireless
- \* Transmitter
- \* Laboratory Test
- \* Radar


**Electrical**

|                  |                                                                                                  |
|------------------|--------------------------------------------------------------------------------------------------|
| Frequency:       | DC~18GHz                                                                                         |
| Attenuation:     | 10~60dB                                                                                          |
| Impedance:       | 50Ω                                                                                              |
| Average Power*1: | 200W@25°C max.                                                                                   |
| Peak Power:      | 5KW (5μS pulse width, 2% duty cycle) @DC~12.4GHz<br>1KW (5μS pulse width, 10% duty cycle) @18GHz |

[1] Derated linearly to 10W@120°C.

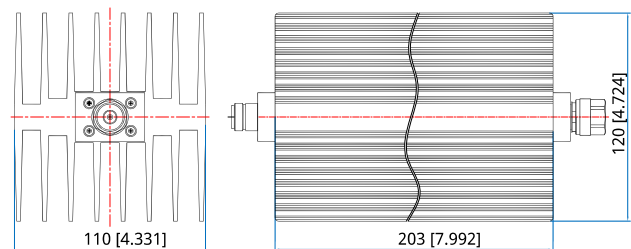
**Mechanical**

|                |                                      |
|----------------|--------------------------------------|
| Size*2:        | 203*120*110mm<br>7.992*4.724*4.331in |
| RF Connectors: | N Male, N Female                     |

[2] Exclude connectors.

**Environmental**

|              |            |
|--------------|------------|
| Temperature: | -55~+125°C |
|--------------|------------|

**Outline Drawings**


Unit: mm [in]

Tolerance: ±2mm [±0.08in]

**Attenuation Accuracy and VSWR**

| Frequency (GHz) | Attenuation Accuracy (±dB) vs. Attenuation (dB) |     |     |     |     |     | VSWR (max.) |
|-----------------|-------------------------------------------------|-----|-----|-----|-----|-----|-------------|
|                 | 10                                              | 20  | 30  | 40  | 50  | 60  |             |
| DC~4            | 0.7                                             | 0.7 | 0.8 | 0.9 | 0.9 | 0.9 | 1.20        |
| DC~8            | 0.8                                             | 0.8 | 0.9 | 0.9 | 0.9 | 0.9 | 1.25        |
| DC~12.4         | 1.5                                             | 0.9 | 1.0 | 1.1 | 1.1 | 1.1 | 1.35        |
| DC~18           | 3.5                                             | 2.5 | 1.5 | 1.3 | 1.4 | 1.4 | 1.45        |

**How To Order**
**QFA18K2-X-Y-Z**

X: Frequency in GHz

Y: Attenuation in dB

Z: Connector type

**Examples:**

To order an attenuator, DC-18GHz, N male to N female, 30dB attenuation, specify QFA18K2-18-30-N.

Connector naming rules:

N - N