# QFA26K1

## DC~26.5GHz, 100W

Features:
* Low VSWR
* High Attenuation Flatness

Applications:
* Wireless
* Transmitter
* Laboratory Test
* Radar

### Electrical

| | |
|---|---|
| Frequency: | DC~26.5GHz |
| Attenuation: | 3~50dB |
| Impedance: | 50Ω |
| Average Power*[1]: | 100W@25°C max. |
| Peak Power: | 0.5KW (5μS pulse width, 2.5% duty cycle) |

[1] Derated linearly to 5W@125°C.

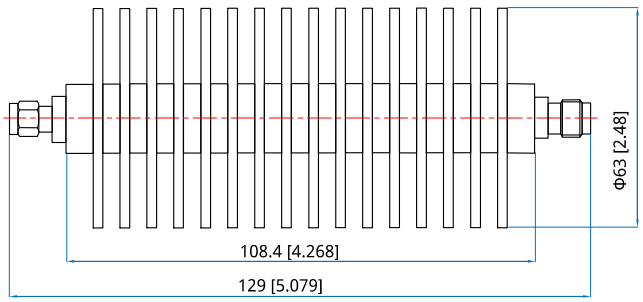
### Mechanical

| | |
|---|---|
| Weight: | 390g |
| Connectors: | 3.5mm, SMA |
| Housing: | Aluminum |
| Outer Conductor: | Gold plated brass |
| Male Inner Conductor: | Gold plated brass |
| Female Inner Conductor: | Gold plated beryllium copper |

### Environmental

| | |
|---|---|
| Temperature: | -55~+85°C |

### Outline Drawings




Unit: mm [in]
Tolerance: ±2mm [±0.08in]

### Attenuation Accuracy and VSWR

| Frequency (GHz) | Attenuation Accuracy (±dB) vs. Attenuation (dB) | | | | | VSWR (max.) |
|---|---|---|---|---|---|---|
| | 3 | 6 | 10 | 20 | 30~50 | |
| DC~18 | ±1.0 | ±1.0 | ±1.0 | -1.0/+1.5 | ±1.0 | 1.30 |
| DC~26.5 | -1.0/+1.5 | -1.0/+2.5 | -1.0/+3.5 | -1.0/+3.0 | -1.0/+1.5 | 1.40 |

### How To Order

QFA26K1-X-Y-Z

X: Frequency in GHz
Y: Attenuation in dB
Z: Connector type

Connector naming rules:
3 - 3.5mm
S - SMA

Examples:
To order an attenuator, DC-26.5GHz, SMA male to SMA female, 30dB attenuation,specify QFA26K1-26.5-30-S.