

# 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

**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

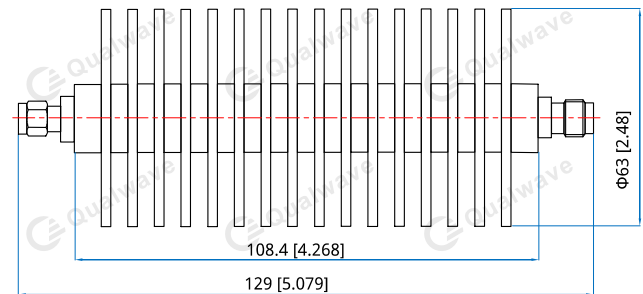
**Connector naming rules:**

- 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.

**Outline Drawings**



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