

QFA2610

DC~26.5GHz, 10W

- | | |
|---|---|
| Features: * Low VSWR * High Attenuation Flatness | Applications: * Wireless * Transmitter * Laboratory Test * Radar |
|---|---|

Electrical

| | |
|------------------|---------------|
| Frequency: | DC~26.5GHz |
| Attenuation: | 1~70dB |
| Impedance: | 50Ω |
| Average Power*1: | 10W@25°C max. |

[1] Derated linearly to 0.5W@120°C.

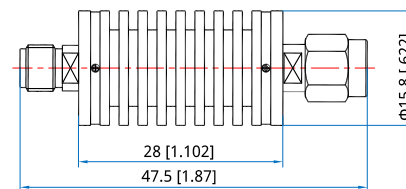
Mechanical

| | |
|-------------------------|--|
| RF Connectors: | SMA, 3.5mm |
| Housing: | Aluminum |
| Outer Conductor: | Passivated stainless steel or gold/nickel plated brass |
| Male Inner Conductor: | Gold plated brass |
| Female Inner Conductor: | Gold plated beryllium copper |

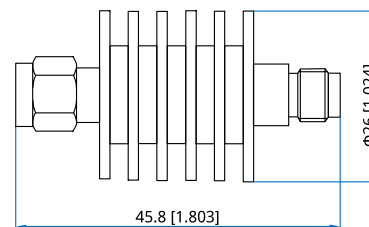
Environmental

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

Outline Drawings



Outline A



Outline B

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

Attenuation Accuracy and VSWR (SMA)

| Frequency (GHz) | Attenuation Accuracy (±dB) vs. Attenuation (dB) | | | | VSWR (max.) |
|-----------------|---|-------|-------|-------|-------------|
| | 1~10 | 11~20 | 21~30 | 31~40 | |
| DC~4 | ±0.7 | ±0.7 | ±0.7 | ±0.7 | 1.15 |
| DC~8 | ±0.7 | ±0.7 | ±0.7 | ±0.8 | 1.2 |
| DC~12.4 | ±0.8 | ±0.8 | ±0.9 | ±0.9 | 1.25 |
| DC~18 | ±1 | ±1 | ±1 | ±1.2 | 1.3 |
| DC~26.5 | ±1 | ±1.1 | ±1.2 | ±1.3 | 1.35 |

Attenuation Accuracy and VSWR (3.5mm)

| Frequency (GHz) | Attenuation Accuracy (±dB) vs. Attenuation (dB) | | | | | | VSWR (max.) |
|-----------------|---|-----------|-----------|---------|---------|-----------|-------------|
| | 1~10 | 20, 30 | 40 | 50 | 60 | 70 | |
| DC~12.4 | ±0.6 | ±0.5 | -0.5/+0.7 | ±1 | -1/+1.5 | -1.2/+1.5 | 1.15 |
| DC~18 | ±0.8 | ±0.8 | -0.5/+1 | -1/+1.2 | -1/+1.5 | -1.2/+1.5 | 1.2 |
| DC~26.5 | ±1 | -0.5/+1.2 | -0.5/+1.2 | -1/+1.5 | -1/+1.5 | -1.2/+1.8 | 1.25 |

How To Order

QFA2610-X-Y-Z

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

Connector naming rules:

- S - SMA (Outline A)
- 3 - 3.5mm (Outline B)

Examples:

To order an attenuator, DC~26.5GHz, SMA male to SMA female, 20dB attenuation, specify QFA2610-26.5-20-S.