

# QFA2605

## DC~26.5GHz, 5W

**Features:**

- \* Low VSWR
- \* High Attenuation Flatness

**Applications:**

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

**Electrical**

Frequency:	DC~26.5GHz
Attenuation:	1~80dB
Impedance:	50Ω
Average Power*1:	5W@25°C max.

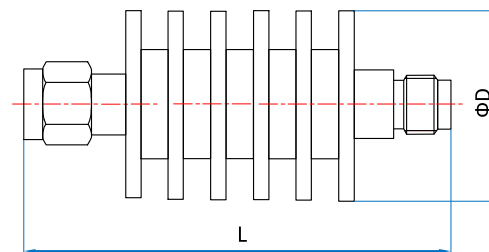
[1] Derated linearly to 0.25W@120°C.

**Mechanical**

RF Connectors:	3.5mm, SMA
Housing:	Aluminum
Outer Conductor:	Gold/Nickel plated brass
Male Inner Conductor:	Gold plated brass
Female Inner Conductor:	Gold plated beryllium copper

**Environmental**

Temperature:	-55~+85°C
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**Outline Drawings**


Unit: mm [in]

Tolerance: ±2mm [±0.08in]

Connector	Attenuation (dB)	ΦD (mm [in])	L (mm [in])
SMA	3~30	15.7 [.618]	33.7 [1.327]
SMA	40~50	16.5 [.65]	37 [1.457]
3.5mm	1~30	15.7 [.618]	37 [1.457]
3.5mm	40	16.5 [.65]	40.3 [1.587]
3.5mm	50~80	16.5 [.65]	46 [1.811]

**Attenuation Accuracy and VSWR (3.5mm)**

Frequency (GHz)	Attenuation Accuracy (±dB) vs. Attenuation (dB)						VSWR (max.)
	1~10	11~30	40	50~60	70	80	
DC~12.4	±0.6	±0.5	-0.5/+0.7	±1	-1/+1.5	-1.2/+1.5	1.15
12.4~18	±0.8	±0.8	-0.5/+1	-1/+1.2	-1/+1.5	-1.2/+1.5	1.2
18~26.5	±1	-0.5/+1.2	-0.5/+1.2	-1/+1.5	-1/+1.5	-1.2/+1.5	1.25

**Attenuation Accuracy and VSWR (SMA)**

Frequency (GHz)	Attenuation Accuracy (±dB) vs. Attenuation (dB)					VSWR (max.)
	3, 6	10	20	30, 40	50	
DC~4	±0.3	±0.3	±0.3	±0.4	±0.5	1.15
4~8	±0.4	±0.4	±0.4	±0.5	±0.5	1.2
8~12.4	±0.5	±0.5	±0.5	±0.5	±0.5	1.25
12.4~18	-0.5/+0.8	±1	±1	±1	±1	1.3
18~26.5	±1	±1	-0.5/+1.5	-0.5/+1.5	-0.5/+1.5	1.35

**How To Order**
**QFA2605-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, 3dB attenuation, specify QFA2605-26.5-3-S.