

QFA2602

DC~26.5GHz, 2W

Features:

- * Low VSWR
- * High Attenuation Flatness

Applications:

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

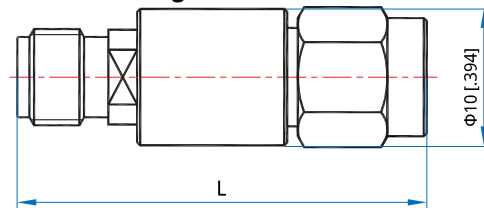

Electrical

Frequency:	DC~26.5GHz
Attenuation:	1~90dB
Impedance:	50Ω
Average Power*1:	2W@25°C max.

[1] Derated linearly to 0.1W@120°C.

Mechanical

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

Outline Drawings


Connector	Attenuation (dB)	L (mm [in])
SMA	1~40	24.2 [.953]
SMA	41~90	43 [1.693]
3.5mm	1~30	37 [1.457]
3.5mm	40	40.3 [1.587]
3.5mm	50~70	46 [1.811]

Environmental

Temperature:	-55~+85°C
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Unit: mm [in]

Tolerance: ±2mm [±0.08in]

Attenuation Accuracy and VSWR (3.5mm)

Frequency (GHz)	Attenuation Accuracy (±dB) vs. Attenuation (dB)						VSWR (max.)
	1~9	10~19	20~30	40	50	60~70	
DC~12.4	-0.3/+0.5	-0.3/+0.6	-0.3/+0.6	-0.3/+0.7	±1	±1	1.15
12.4~18	-0.3/+0.6	-0.3/+0.7	-0.3/+0.8	-0.5/+1	±1	±1	1.2
18~26.5	-0.3/+1	-0.3/+1	-0.3/+1	-1/+1.5	±1.5	±1	1.25

Attenuation Accuracy and VSWR (SMA)

Frequency (GHz)	Attenuation Accuracy (±dB) vs. Attenuation (dB)								VSWR (max.)
	1~9	10~40	50	60	70	80	90		
DC~4	±0.4	±0.3	±0.5	±0.8	±1	±1	±1.5	1.15	
4~8	±0.5	±0.4	±0.6	±1	±1	±1	±1.5	1.2	
8~12.4	±0.6	±0.5	±0.8	±1	±1.2	±1.2	±2	1.25	
12.4~18	±0.8	±0.8	±1.5	±1.5	±1.5	±1.5	±2	1.3	
18~26.5	±1	±1	±2	±2	±2	-	-	1.35	

How To Order
QFA2602-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 QFA2602-26.5-3-S.