

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.

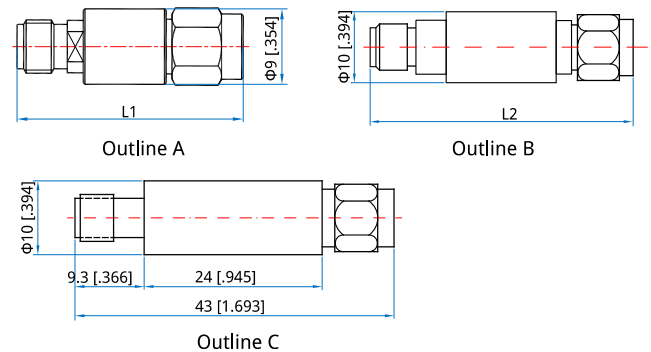
Mechanical

RF Connectors:	SMA, 3.5mm
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
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Outline Drawings



Attenuation (dB)	L1 (mm [in])	L2 (mm [in])
1~20	27 [1.063]	37 [1.457]
30	30 [1.181]	37 [1.457]
40	-	40.3 [1.587]
50~70	-	46 [1.811]

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

Attenuation Accuracy and VSWR (SMA)

Frequency (GHz)	Attenuation Accuracy (\pm dB) vs. Attenuation (dB)										VSWR (max.)
	1~10	20	30	40	50	60	70	80	90		
DC~4	± 0.5	± 0.5	± 0.6	± 0.5	± 0.5	± 0.8	± 1	± 1	± 1.5	1.15	
DC~8	± 0.5	± 0.5	± 0.6	± 0.5	± 0.6	± 1	± 1	± 1	± 1.5	1.2	
DC~12.4	± 0.5	± 0.5	± 0.6	± 0.7	± 0.8	± 1	± 1.2	± 1.2	± 2	1.25	
DC~18	± 0.6	± 0.6	± 0.7	± 1	± 1.5	± 1.5	± 1.5	± 1.5	± 2	1.3	
DC~26.5	± 0.7	± 0.7	± 0.8	± 1.5	± 2	± 2	± 2	-	-	1.35	

Attenuation Accuracy and VSWR (3.5mm)

Frequency (GHz)	Attenuation Accuracy (\pm 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	
DC~18	-0.3/+0.6	-0.3/+0.7	-0.3/+0.8	-0.5/+1	± 1	± 1	1.2	
DC~26.5	-0.3/+1	-0.3/+1	-0.3/+1	-1/+1.5	± 1.5	± 1	1.25	

How To Order

QFA2602-X-Y-Z

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

Connector naming rules:

- S - SMA (Outline A - 1~30dB, Outline C - 40~90dB)
- 3 - 3.5mm (Outline B)

Examples:

To order an attenuator, DC~26.5GHz, SMA male to SMA female, 20dB attenuation, specify QFA2602-26.5-20-S.