

QFA5002

DC~50GHz, 2W

Features:

- * Low VSWR
- * High Attenuation Flatness

Applications:

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

Electrical

Frequency:	DC~50GHz
Attenuation:	0~10, 12, 15, 20, 30, 40, 50dB
Impedance:	50Ω
Average Power*1:	2W@25°C max.

[1] Derated linearly to 0.2W@125°C.

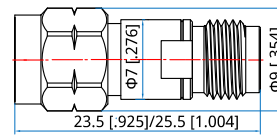
Mechanical

RF Connectors:	2.4mm
Dielectric:	PEI
Outer Conductor:	Passivated stainless steel
Male Inner Conductor:	Gold plated brass/Gold plated beryllium copper

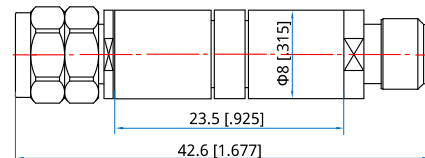
Environmental

Temperature:	-55~+125°C
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Outline Drawings



Outline A



Outline B

Attenuation (dB)	Length (mm [in])
0~10, 12, 15, 20	23.5 [0.925]
30, 40	25.5 [1.004]
50	42.6 [1.677]

Unit: mm [in]

Tolerance: ±2mm [±0.08in]

Attenuation Accuracy and VSWR

Frequency (GHz)	Attenuation Accuracy (±dB) vs. Attenuation (dB)								VSWR (max.)
	0	1~10	12	15	20	30	40	50	
DC~50	-0.2/+1.0	-1.0/+1.0	-1.0/+1.0	-1.0/+1.0	-1.0/+1.0	-1.2/+1.2	-1.2/+1.2	±1.5	1.4, 1.45@50dB

How To Order

QFA5002-X-Y-Z

X: Frequency in GHz

Y: Attenuation in dB (Outline A - 0~10, 12, 15, 20, 30, 40dB, Outline B - 50dB)

Z: Connector type

Connector naming rules:

2 - 2.4mm

Examples:

To order an attenuator, DC~50GHz, 2.4mm male to 2.4mm female, 20dB attenuation, specify QFA5002-50-20-2.