

# QFA5002

## DC~50GHz, 2W

**Features:**

- \* Low VSWR
- \* High Attenuation Flatness

**Applications:**

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

**Electrical**

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

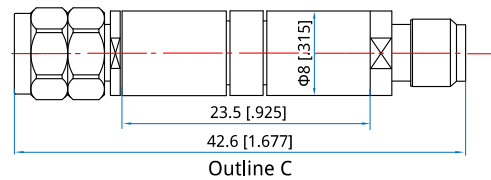
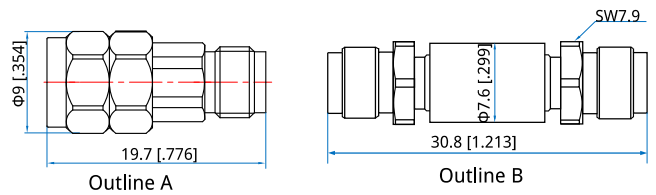
[1] Derated linearly to 0.2W@125°C.

**Mechanical**

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

**Environmental**

Temperature:	-55~+125°C
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Unit: mm [in]  
Tolerance: ±2mm [±0.08in]

**Outline Drawings**

**Attenuation Accuracy and VSWR**

Frequency (GHz)	Attenuation Accuracy (±dB) vs. Attenuation (dB)				VSWR (max.)
	1~10	20	30	40~50	
DC~50	-1.0/+1.0	-1.0/+1.2	-1.0/+1.2	±1.5	1.45

**How To Order**

**QFA5002-X-Y-Z**

X: Frequency in GHz

Y: Attenuation in dB (Outline A - 1~30dB, Outline B - 5dB, Outline C - 40~50dB)

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.