

# Q7A0101

## DC~1GHz, 1W

**Features:**

- \* Low VSWR
- \* High Attenuation Flatness

**Applications:**

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

**Electrical**

Frequency:	DC~1GHz
Attenuation:	1, 2, 4, 8, 10, 16, 20dB
VSWR:	1.10 max.
Impedance:	75Ω
Average Power <sup>+1</sup> :	1W@25°C
Peak Power <sup>+2</sup> :	0.5KW

[1] Derated linearly to 0.2W@125°C

[2] Pulse width: 5us, duty cycle: 0.2%.

**Attenuation Accuracy**

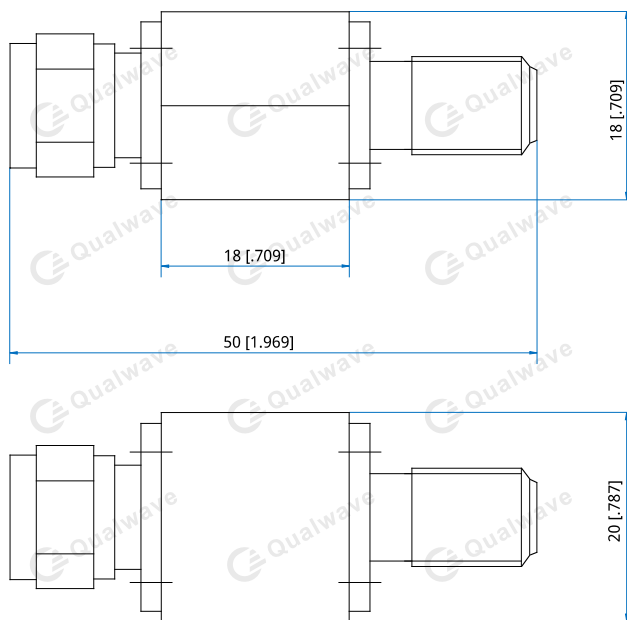
Frequency (GHz)	Attenuation Accuracy (±dB) vs. Attenuation (dB)			
	1/2/4/8	10	16	20
DC~1	±0.4	±0.5	±0.5	±1.0

**Mechanical**

RF Connectors:	F
Housing:	Aluminum
Outer Conductor:	Nickel plated brass
Male Inner Conductor:	Gold plated brass
Female Inner Conductor:	Gold plated brass

**Environmental**

Temperature:	-55~+125°C
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**Outline Drawings**


Outline A

Unit: mm [in]

Tolerance: ±5%

**How To Order**

**Q7A0101-X-Y-Z**

X: Frequency in GHz

Y: Attenuation in dB

Z: Connector type

Connector naming rules:

F - F

Examples:

To order an attenuator, DC~1GHz, 10dB, F male to F female, specify Q7A0101-1-10-F.