

## QDA-0-6000-30-1

DC~6GHz, 30dB, 1dB

**Features:**

- \* Broadband
- \* High Dynamic Range

**Applications:**

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

### Electrical

Frequency:	DC~6GHz
Insertion Loss:	2dB typ.
Attenuation Range:	0~30dB
Step:	1dB
Attenuation Accuracy:	3~5% of attenuation setting typ.
SWR:	1.5 typ.
Input Power:	+20dBm max.
Impedance:	50Ω

### Mechanical

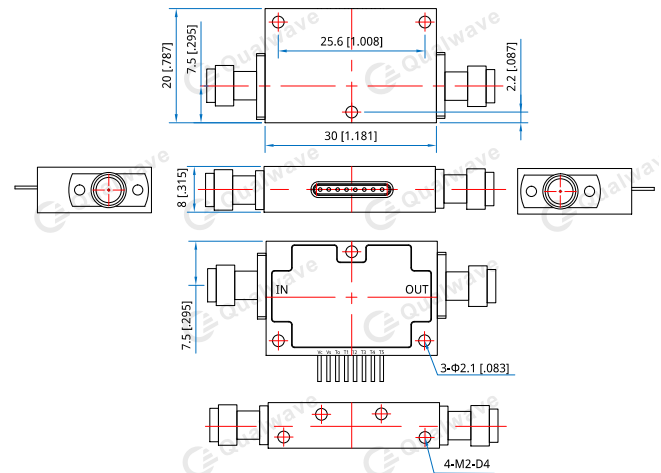
Size <sup>*1</sup> :	30*20*8mm 1.181*0.787*0.315in
Weight:	100g max.
RF Connectors:	SMA Female
Power Supply & Control Interface:	Feed Through/Terminal Post
Mounting:	3-Φ2.1mm through-hole 4-M2, depth 4mm

[1] Exclude connectors.

### Environmental

Operating Temperature:	-20~+60°C
Non-operating Temperature:	-40~+85°C

### Outline Drawings



Unit: mm [in]

Tolerance: ±0.2mm [±0.008in]

### Logic Table

Bias voltage (V)	Control (V)							Stage
	VEE	T0	T1	T2	T3	T4	T5	
-5	0	0	0	0	0	0	0	Reference IL
-5	0	0	0	0	0	0	3.3	1dB
-5	0	0	0	0	0	3.3	0	2dB
-5	0	0	0	3.3	0	0	0	4dB
-5	0	0	3.3	0	0	0	0	8dB
-5	0	3.3	0	0	0	0	0	16dB

### How To Order

**QDA-0-6000-30-1**

Customization is available upon request.