

QDA-100-8000-30-1

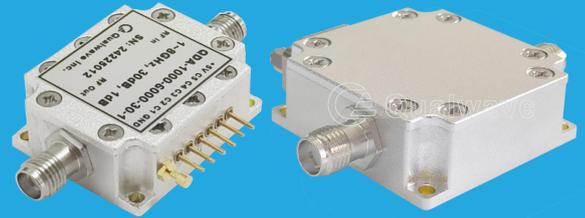
0.1~8GHz, 30dB, 1dB

Features:

- * Broadband
- * High Dynamic Range

Applications:

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



Electrical

Frequency:	0.1~8GHz
Insertion Loss:	3dB typ.
Step:	1dB
Attenuation Range:	0~30dB
Attenuation Accuracy:	±1.5dB typ.
VSWR:	1.5 typ.
Voltage/Current:	+5V @10mA typ.

Absolute Maximum Ratings*1

Voltage:	+5.4V max.
Input Power:	+30dBm max.

[1] Permanent damage may occur if any of these limits are exceeded.

Mechanical

RF Connectors:	SMA Female
Switching Time:	100ns typ.
Power Supply & Control Interface Connectors:	Feed Through/Terminal Post/J30J-9ZKP/J30J-15ZKP
Logic Input:	On: 1 (+2~+5V) Off: 0 (0~+0.8V)

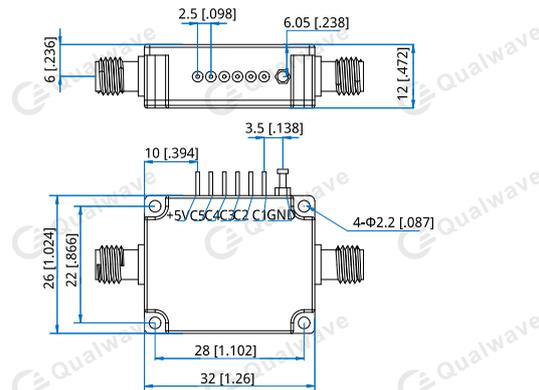
Pin Numbering

Pin	Function	Pin	Function
1	C1:-8dB	5	C5:-15dB
2	C2:-4dB	6~n-2	NC
3	C3:-2dB	n-1	+5V
4	C4:-1dB	n	GND

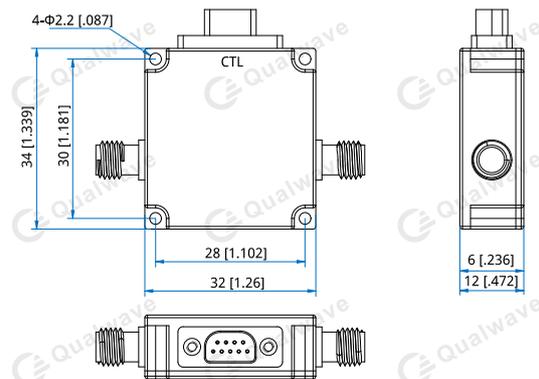
Logic Table

State	C1	C2	C3	C4	C5	Attenuation State
0	1	1	1	1	1	Reference IL
1	1	1	1	0	1	1dB
2	1	1	0	1	1	2dB
3	1	0	1	1	1	4dB
4	0	1	1	1	1	8dB
5	1	1	1	1	0	15dB
6	0	0	0	0	1	15dB
7	0	0	0	0	0	30dB

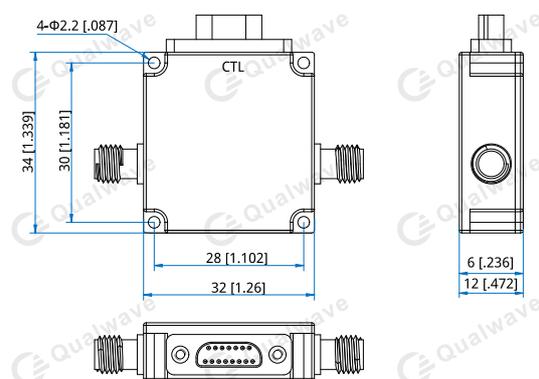
Outline Drawings



Outline A



Outline B



Outline C

Unit: mm [in]

Tolerance: ±0.2mm [±0.008in]

Environmental

Operating Temperature: -40~+85°C
 Non-operating Temperature: -55~+125°C

How To Order

QDA-100-8000-30-1 - Pin, Outline A
QDA-100-8000-30-1-1 - J30J-9ZKP, Outline B
QDA-100-8000-30-1-2 - J30J-15ZKP, Outline C

Customization is available upon request.

Typical Performance Curves

