

## QDA-4000-32000-63.5-0.5

4~32GHz, 63.5dB, 0.5dB

### Features:

- \* Broadband
- \* High Dynamic Range

### Applications:

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

### Electrical

Frequency:	4~32GHz
Insertion Loss:	10dB max.
Attenuation Flatness:	±1dB typ. @20dB ±2dB typ. @40dB ±3dB typ. @63.5dB
Step:	0.5dB
Attenuation Range:	0~63.5dB
Attenuation Accuracy:	±2dB typ. @0~63.5dB
VSWR:	2 max.
Voltage/Current:	+3.3V @30mA max. -3.3V @30mA max.
Input Power:	+25dBm max.

### Mechanical

Size <sup>*1</sup> :	34*18*12mm 1.339*0.709*0.472in
Switching Time:	200ns
RF Connectors:	2.92mm Female
Power Supply & Control Interface Connectors:	J30J-15ZKP
Housing Material:	Nickel Plated
Mounting:	4-Φ2.7 through-hole
Logic Input:	On: 1( +1.2~3.3V) Off: 0( 0~0.8V)

[1] Exclude connectors.

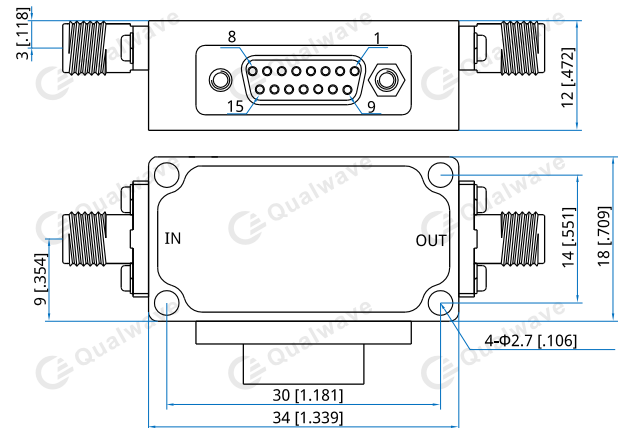
### Pin Numbering

Pin	Function	Pin	Function
1	+3.3V	7	C4
2	COM	8	C5
3	-3.3V	9	C6
4	C1	10	C7
5	C2	11-15	NC
6	C3		

### Environmental

Operating Temperature:	-45~+85°C
Non-operating Temperature:	-55~+125°C

### Outline Drawings



Unit: mm [in]

Tolerance: ±0.2mm [±0.008in]

### Logic Table

State	C1	C2	C3	C4	C5	C6	C7	Att.
-	0	0	0	0	0	0	0	63.5dB
1	1	0	0	0	0	0	0	Reference IL
2	0	1	0	0	0	0	0	0.5dB
3	0	0	1	0	0	0	0	1dB
4	0	0	0	1	0	0	0	2dB
5	0	0	0	0	1	0	0	4dB
6	0	0	0	0	0	1	0	8dB
7	0	0	0	0	0	0	1	16dB
8	1	1	1	1	1	1	1	32dB
								63.5dB

### How To Order

[QDA-4000-32000-63.5-0.5](#)

Customization is available upon request.