

QDA-100-18000-32-0.06

0.1~18GHz, 32dB, 0.06dB

Features:

- * Broadband
- * High Dynamic Range

Applications:

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

Electrical

Frequency:	0.1~18GHz
Insertion Loss:	5dB max.
Attenuation Flatness:	±2dB typ. @32dB
Step:	0.06dB
Attenuation Range:	0~32dB
Attenuation Accuracy:	±1.5dB typ.
VSWR:	2.5 max.
Voltage/Current:	+5V @300mA typ.
Input Power:	+24dBm max.

Mechanical

Size ^{*1} :	50.8*45.72*12.7mm 2*1.8*0.5in
RF Connectors:	SMA Female
Switching Time:	5000ns max.
Power Supply & Control Interface Connectors:	15 Pin Micro-D Female
Mounting:	4-Φ3mm through-hole
Logic Input:	On: 1(+2~+5V) Off: 0(0~+0.8V)

[1] Exclude connectors.

Pin Numbering

Pin	Description	Pin	Description
1	+5V	8	1dB
2	GND	9	2dB
3	GND	10	4dB
4	0.06dB	11	8dB
5	0.12dB	12	16dB
6	0.25dB	13~15	NC
7	0.5dB		

Environmental

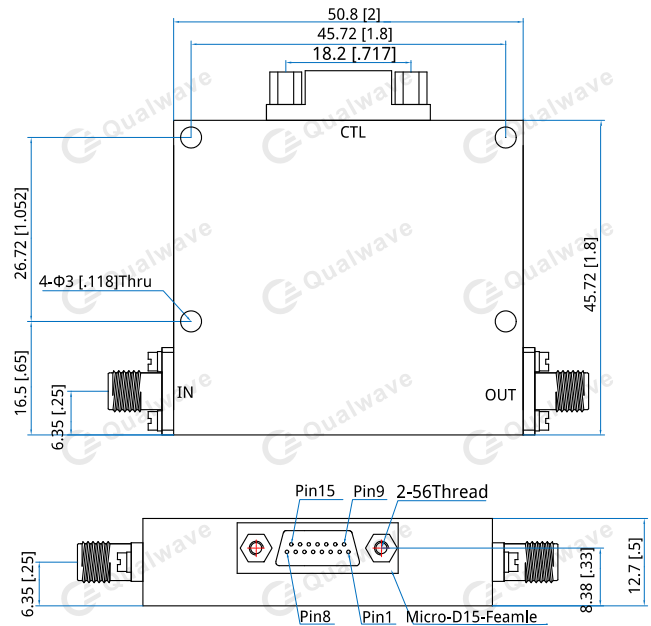
Non-operating Temperature: -55~+125°C

How To Order

[QDA-100-18000-32-0.06](#)

Customization is available upon request.

Outline Drawings



Unit: mm [in]

Tolerance: ±0.2mm [±0.008in]

Logic Table

State	Bit	Bit	Bit	Bit	Bit	Bit	Bit	Bit	Bit	Attenuation
	1	2	3	4	5	6	7	8	9	State
-	1	1	1	1	1	1	1	1	1	Reference IL
1	0	1	1	1	1	1	1	1	1	0.06dB
2	1	0	1	1	1	1	1	1	1	0.12dB
3	1	1	0	1	1	1	1	1	1	0.25dB
4	1	1	1	0	1	1	1	1	1	0.5dB
5	1	1	1	1	0	1	1	1	1	1dB
6	1	1	1	1	1	0	1	1	1	2dB
7	1	1	1	1	1	1	0	1	1	4dB
8	1	1	1	1	1	1	1	0	1	8dB
9	1	1	1	1	1	1	1	1	0	16dB
10	0	0	0	0	0	0	0	0	0	32dB