

QDA-19000-34000-63.5-0.5

19~34GHz, 63.5dB, 0.5dB

Features:
 * Broadband
 * High Dynamic Range

Applications:
 * Wireless
 * Transmitter
 * Laboratory Test
 * Radar

Electrical

Frequency:	19~34GHz
Insertion Loss:	13dB typ.
VSWR:	2 max.
Attenuation Flatness:	±0.7dB typ. @0.5-16dB ±1dB typ. @17.5-32dB ±2dB typ. @32.5-63.5dB
Control Bits:	7
Step:	0.5dB min.
Attenuation Range:	0~63.5dB
Attenuation Accuracy:	±0.8dB typ. @0.5-16dB ±1dB typ. @17.5-32dB ±2dB typ. @32.5-63.5dB
Voltage/Current:	+5V @15mA typ.
Input Power:	+25dBm max.

Mechanical

Size*1:	32*20*12.7mm 1.26*0.787*0.5in
Weight:	25g typ.
Switching Time:	1us typ.
RF Connectors:	2.92mm Female
Power Supply & Control Interface Connectors:	J30J-15ZKP
Mounting:	4-Φ2.7mm through-hole
Logic Input:	On: 1 (+5V) Off: 0 (0V)

[1] Exclude connectors.

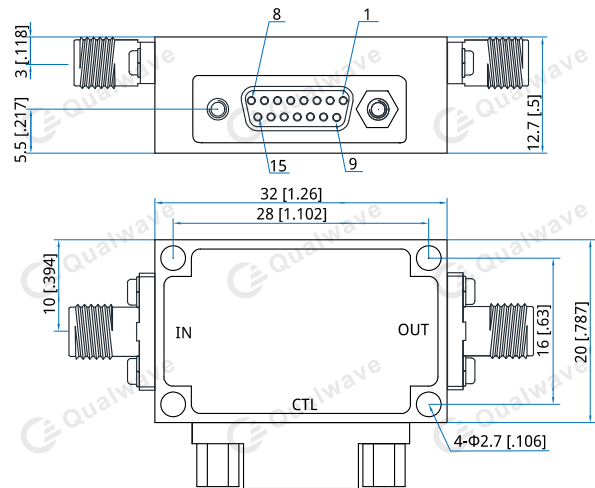
Pin Numbering

Pin	Function	Pin	Function
1	-5V	7	C4: -4dB
2	GND	8	C5: -8dB
3	NC	9	C6: -16dB
4	C1: -0.5dB	10	C7: -32dB
5	C2: -1dB	11~15	NC
6	C3: -2dB		

Environmental

Operating Temperature:	-40~+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	Attenuation State
-	0	0	0	0	0	0	0	63.5dB Reference IL
1	1	0	0	0	0	0	0	0.5dB
2	0	1	0	0	0	0	0	1dB
3	0	0	1	0	0	0	0	2dB
4	0	0	0	1	0	0	0	4dB
5	0	0	0	0	1	0	0	8dB
6	0	0	0	0	0	1	0	16dB
7	0	0	0	0	0	0	1	32dB
8	1	1	1	1	1	1	1	63.5dB

How To Order

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Customization is available upon request.