

## QDA-8000-12000-31-1

8~12GHz, 31dB, 1dB

**Features:**  
 \* Broadband  
 \* High Dynamic Range

**Applications:**  
 \* Wireless  
 \* Transmitter  
 \* Laboratory Test  
 \* Radar

### Electrical

Frequency:	8~12GHz
Insertion Loss:	3.5dB max.
Attenuation Flatness:	±0.5dB max.
Control Bits:	5
Step:	1dB
Attenuation Range:	0~31dB
Attenuation Accuracy:	±2% of attenuation setting max.
Switching Time:	100nS max.
Input VSWR:	1.5 max.
Output VSWR:	1.5 max.
Voltage:	-5V DC
Current:	0.1A typ.
Input Power Without Damage:	27dBm max.

### Mechanical

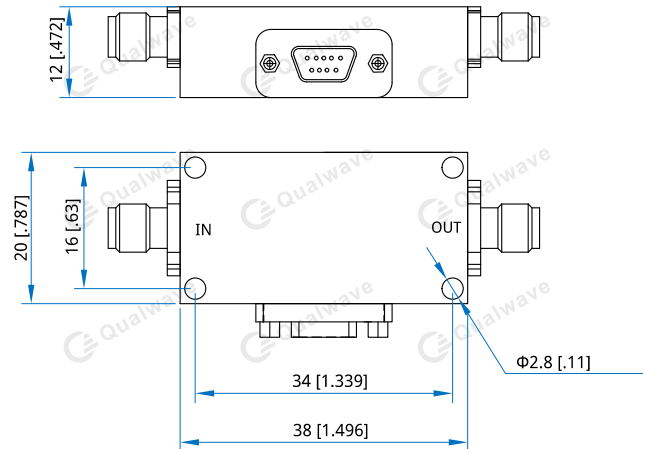
Size <sup>*1</sup> :	38*20*12mm 1.496*0.787*0.472in
RF Connectors:	SMA Female
Power Supply & Control Interface Connectors:	J30J-9ZKP
Housing Material:	Aluminum
Mounting:	4-Φ2.8mm through-hole

[1] Exclude connectors.

### Environmental

Operating Temperature:	-40~+70°C
Non-operating Temperature:	-55~+70°C

### Outline Drawings



Unit: mm [in]

Tolerance: ±0.2mm [±0.008in]

### Pin Numbering

Pin	Function	Pin	Function
1	NC	6	4dB
2	-5V	7	8dB
3	GND	8	16dB (MSB)
4	1dB (LSB)	9	NC
5	2dB		

### How To Order

**QDA-8000-12000-31-1**

Customization is available upon request.