

# QDA-8200-12400-61-1

## 8.2~12.4GHz, 61dB, 1dB

**Features:**

- \* Broadband
- \* High Dynamic Range

**Applications:**

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

**Electrical**

Frequency:	8.2~12.4GHz
Insertion Loss:	7dB max.
Attenuation Flatness:	±2dB max.
Digital Control:	6Bit TTL
Step:	1dB
Attenuation Range:	0~61dB
Attenuation Accuracy:	±4% of attenuation setting max.
Switching Time:	500nS max.
Input VSWR:	2.2 max.
Output VSWR:	2.2 max.
Voltage:	-5V DC
Current:	0.1A typ.
Input Power Without Damage:	30dBm max.
Peak Power:	500W
Duty Cycle:	0.2% max.

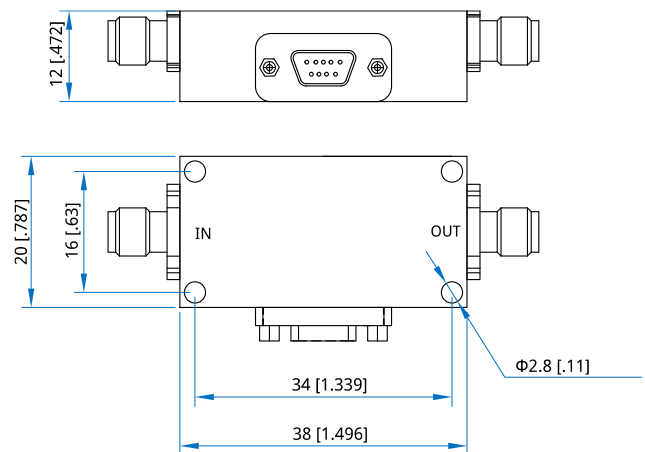
**Mechanical**

Size*1:	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~+60°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
4	1dB (LSB)	9	30dB (MSB)
5	2dB		

**How To Order**

**QDA-8200-12400-61-1**

Customization is available upon request.