

## QDA-2000-18000-60-10

2~18GHz, 60dB, 10dB

### Features:

- \* Broadband
- \* High Dynamic Range

### Applications:

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

### Electrical

|                             |                                 |
|-----------------------------|---------------------------------|
| Frequency:                  | 2~18GHz                         |
| Insertion Loss:             | 14dB max.                       |
| Attenuation Flatness:       | ±3.5dB max.                     |
| Digital Control:            | 3Bit TTL                        |
| Step:                       | 10dB                            |
| Attenuation Range:          | 0~60dB                          |
| Attenuation Accuracy:       | ±4% of attenuation setting max. |
| Switching Time:             | 500nS max.                      |
| Input VSWR:                 | 2.2 max.                        |
| Output VSWR:                | 2.2 max.                        |
| Voltage:                    | -5V                             |
| Current:                    | 0.1A typ.                       |
| Input Power Without Damage: | 20dBm                           |

### Mechanical

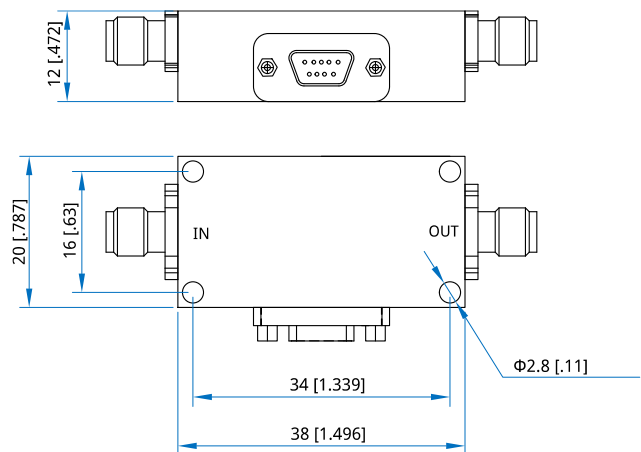
|                                              |                                   |
|----------------------------------------------|-----------------------------------|
| Size*1:                                      | 38*20*12mm<br>1.496*0.787*0.472in |
| RF Connectors:                               | 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     | 20dB       |
| 2   | -5V        | 7     | 30dB (MSB) |
| 3~4 | GND        | 8 ~ 9 | NC         |
| 5   | 10dB (LSB) |       |            |

### How To Order

**QDA-2000-18000-60-10**

Customization is available upon request.