

## QDA-0-40000-90-10

DC~40GHz, 90dB, 10dB

**Features:**

- \* Low VSWR
- \* High Attenuation Flatness

**Applications:**

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

**Electrical**

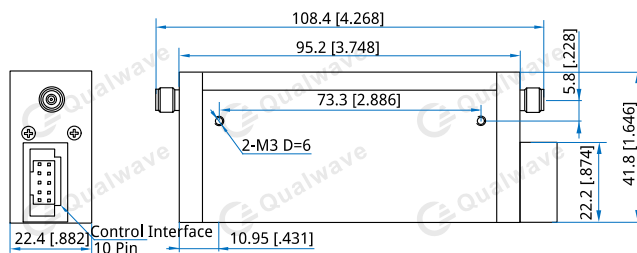
|                    |           |
|--------------------|-----------|
| Frequency:         | DC~40GHz  |
| Attenuation Range: | 0~90dB    |
| Step:              | 10dB      |
| Average Power:     | +30dBm    |
| Peak Power:        | 50W       |
| Impedance:         | 50Ω       |
| Voltage:           | 24V DC    |
| Current:           | 100~200mA |

**Mechanical**

|                 |   |
|-----------------|---|
| Size*1:         | 95.2*41.8*22.4mm<br>3.748*1.646*0.882in |
| Operation Life: | 2M Cycles                               |
| Switching Time: | 20ms max.                               |
| RF Connectors:  | 2.92mm Female                           |

**Environmental**

|                            |           |
|----------------------------|-----------|
| Operating Temperature:     | 0~+55°C   |
| Non-operating Temperature: | -55~+85°C |

**Outline Drawings**


Unit: mm [in]

Tolerance: 5%

**How To Order**

**QDA-0-40000-90-10**

Customization is available upon request.

**Attenuation Accuracy and VSWR**

| Frequency (GHz) | Attenuation Accuracy (±dB) vs. Attenuation (dB) |      |      |      |      |      |       |     |     |      | VSWR (max.) | Insertion Loss (dB max.) |
|-----------------|---|------|------|------|------|------|-------|-----|-----|------|-------------|--------------------------|
|                 | 10  | 20   | 30   | 40   | 50   | 60   | 70    | 80  | 90  |      |             |                          |
| DC~12.4         | ±0.6  | ±0.7 | ±0.8 | ±1.2 | ±1.3 | ±1.8 | ±3.5% | ±4% | ±5% | 1.45 | 1.6         |                          |
| 12.4~40         |   |      |      |      |      |      |       |     |     | 1.85 | 3           |                          |