

## QSA18C

DC~18GHz, 0~99.9dB, 2W

### Features:

- \* Low VSWR
- \* High Attenuation Flatness

### Applications:

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

### Description

QSA18C series Rotary Stepped Attenuators cover frequency range DC~18GHz. Rotary stepped attenuators can adjust the power level of microwave circuit in a certain frequency range by step.

### Specifications

| Frequency<br>(GHz) | Attenuation Range/Step<br>(dB) | VSWR<br>(Max.) | IL<br>(dB Max.) | Attenuation Accuracy<br>(±dB)   | Avg Power<br>(W) | Connectors    |
|--------------------|--------------------------------|----------------|-----------------|---|------------------|---------------|
| DC~8               | 0~99.9/0.1                     | 1.5            | 1.3             | 0.5 (0.1~0.9dB@DC~8GHz), 0.8  | 2                | N, SMA, 3.5mm |
| DC~12.4            |                                | 1.65           | 1.6             | (1~9.9dB@DC~8GHz), 1  |                  |               |
| DC~18              |                                | 2              | 1.7             | (1~9.9dB@8~18GHz), 1.5<br>(10~19dB), 2 (20~49dB), 2.5<br>(50~69dB), 3 or 3.5% (70~99dB) |                  |               |

### Electrical

Impedance: 50Ω

Peak Power<sup>\*1</sup>: 200W

[1] Pulse width: 5us, duty cycle: 0.5%.

### Mechanical

RF Connectors: N Male & Female  
SMA Female  
3.5mm Female

Housing Materials: Aluminum, anodised

Male Inner Conductor: Gold plated brass

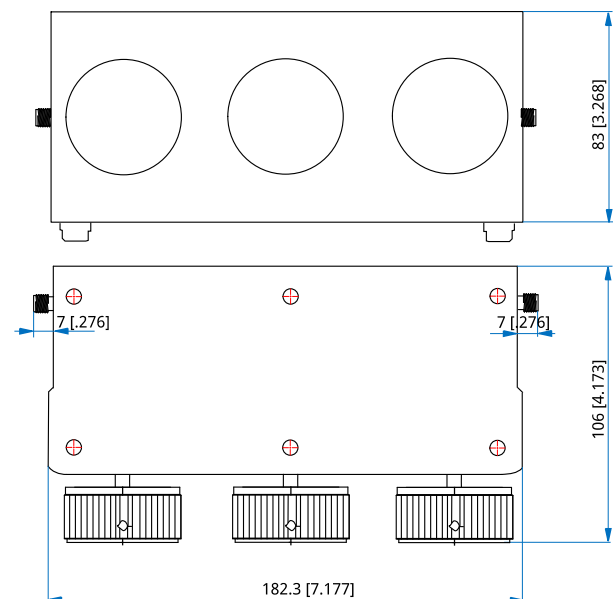
Female Inner Conductor: Gold plated beryllium brass

Connectors: Nickel plated brass

### Environmental

Temperature: 0~+54°C

### Outline Drawings



Outline A

Unit: mm [in]

Tolerance: ±1mm [±0.04in]

### How To Order

#### **QSA18C-W-X-Y-Z**

W: Stop Frequency in GHz

X: Maximum attenuation in dB

Y: Power in Watts

Z: Connector type

Connector naming rules:

S - SMA Female (Outline A)

3 - 3.5mm female (Outline A)

Examples: 99.9dB attenuation, 2W, SMA female, specify

QSA18C-18-99.9-2-S.

Customization is available upon request.