

QSA06B

DC~6GHz, 0~100dB, 10W

Features:

- * Low VSWR
- * High Attenuation Flatness

Applications:

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

Description

QSA06B series Rotary Stepped Attenuators cover frequency range DC~6GHz. Rotary stepped attenuators can adjust the power level of microwave circuit in a certain frequency range by step.

Specifications

| Frequency (GHz) | Attenuation Range/Step (dB) | VSWR (Max.) | | IL (dB Max.) | Attenuation Accuracy (±dB) | Avg Power (W) |
|--------------------|--------------------------------|-------------|------|-----------------|--|------------------|
| | | SMA | N | | | |
| DC~2.5 | 0~11/0.1 | 1.3 | 1.45 | 1 | 0.2 (1dB), 0.4(2~11dB) | 2, 10 |
| DC~3 | | 1.35 | 1.45 | 1.2 | 0.3 (1dB), 0.5(2~11dB) | |
| DC~4.3 | | 1.4 | 1.55 | 1.5 | | |
| DC~6 | | 1.55 | 1.6 | 1.8 | | |
| DC~2.5 | 0~50/1 | 1.3 | 1.35 | 1 | 0.5 (1~10dB), 0.8 or 3% (50~60dB) | 2, 10 |
| DC~2.5 | 0~70/1 | 1.3 | 1.45 | 1 | 0.5 (1~10dB), 0.8 or 3% (11~5 9dB), 1.5 or 3% (60~70dB) | 2, 10 |
| DC~3 | | 1.35 | 1.45 | 1.2 | | |
| DC~4.3 | | 1.4 | 1.55 | 1.5 | | |
| DC~6 | | 1.55 | 1.6 | 1.8 | | |
| DC~2.5 | 0~100/1 | 1.3 | 1.45 | 1 | 0.5 (1~10dB), 0.8 or 3% (11~5 9dB), 1.5 or 3% (60~69dB), ±3. 5% (70~100dB) | 2, 10 |
| DC~3 | | 1.35 | 1.45 | 1.2 | | |

Electrical

Impedance: 50Ω

Peak Power^{*1}: 100W

[1] Pulse width: 5us, duty cycle: 2%.

Mechanical

Size^{*2}: Φ30*120mm

Φ1.181*4.724in

Weight: 435g

RF Connectors: SMA Female, N Female

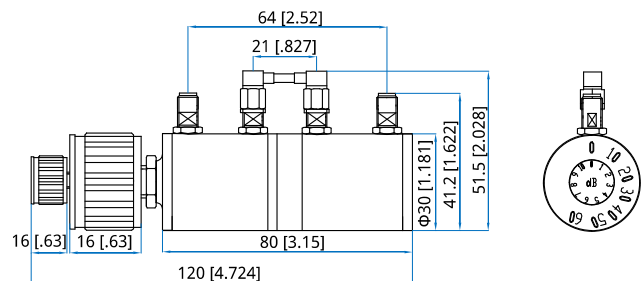
Housing Materials: Aluminum

[2] Exclude connectors.

Environmental

Temperature: -20~+85°C

Outline Drawings



Unit: mm [inch]

Tolerance: ±1mm [±0.04in]

How To Order**QSA06B-W-X-Y-Z**

W: Stop Frequency in GHz

X: Maximum attenuation in dB

Y: Power in Watts

Z: Connector type

Connector naming rules:

N - N Female

S - SMA Female

Examples:

To order an attenuator, DC~4.3GHz, 0~70dB attenuation, 2W, SMA female, specify QSA06B-4.3-70-2-S.

Customization is available upon request.