

## 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		
DC~4.3		1.4	1.55	1.5	0.3 (1dB), 0.5(2~11dB)	
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	2, 10
DC~3		1.35	1.45	1.2	9dB), 1.5 or 3% (60~70dB)	
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	2, 10
DC~3		1.35	1.45	1.2	9dB), 1.5 or 3% (60~69dB), ±3. 5% (70~100dB)	

### Electrical

Impedance: 50Ω  
Peak Power<sup>1</sup>: 100W

[1] Pulse width: 5μs, duty cycle: 2%.

### Mechanical

Size<sup>2</sup>: Φ30\*120mm  
Φ1.181\*4.724in

Weight: 435g

RF Connectors: SMA Female, N Female

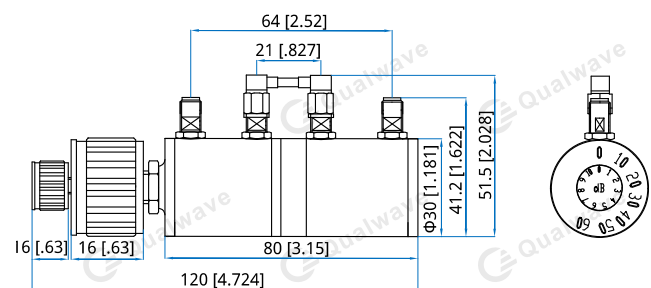
Housing Materials: Aluminum

[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.