

## QSA18B

DC~18GHz, 0~99dB, 5W

**Features:**

- \* Low VSWR
- \* High Attenuation Flatness

**Applications:**

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

### Description

QSA18B 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 (GHz)	Attenuation Range/Step (dB)	VSWR (Max.)	IL (dB Max.)	Attenuation Accuracy ( $\pm$ dB)	Avg Power (W)	Connectors
DC~8		1.5	1	0.5 (0~9dB@DC~8GHz), 0.8		
DC~12.4	0~69/1	1.6	1.25	(0~9dB@8~18GHz), 1 (10~19dB),	2, 5	SMA
DC~18		1.75	1.5	1.5 (20~49dB), 2 (50~69dB)		
0.1~8		1.5	1	0.5 (0~9dB@0.1~8GHz), 0.8		
0.1~12.4	0~99/1	1.6	1.25	(0~9dB@8~18GHz), 1 (10~19dB),	2, 5	SMA
0.1~18		1.75	1.5	1.5 (20~49dB), 2 (50~69dB), 2.5 or 3.5% (70~99dB)		

### Electrical

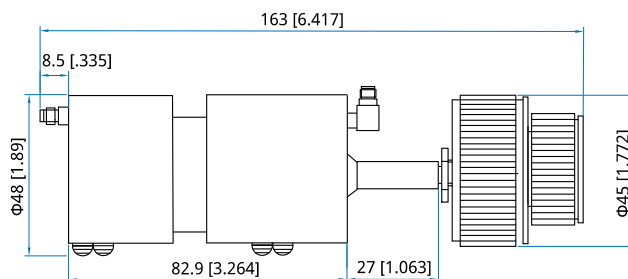
Impedance: 50 $\Omega$   
 Peak Power\*1: 200W

[1] Pulse width: 5 $\mu$ s, duty cycle: 0.5%.

### Mechanical

Size:  $\Phi$ 48\*163mm  
 $\Phi$ 1.89\*6.417in  
 Weight: 480g  
 RF Connectors: SMA Female  
 Outer Conductor: Stainless Steel  
 Inner Conductor: Gold Plated Beryllium Copper  
 Housing Materials: Aluminum

### Outline Drawings



Unit: mm [inch]  
 Tolerance:  $\pm$ 1mm [ $\pm$ 0.04in]

### Environmental

Temperature: 0~+54 $^{\circ}$ C

## How To Order

### QSA18B-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

Examples:

To order an attenuator, DC~12.4GHz, 0~69dB attenuation, 2W, SMA female, specify QSA18B-12.4-69-2-S.

Customization is available upon request.