

## QSA18A

DC~18GHz, 0~90dB, 25W

**Features:**

- \* Low VSWR
- \* High Attenuation Flatness

**Applications:**

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

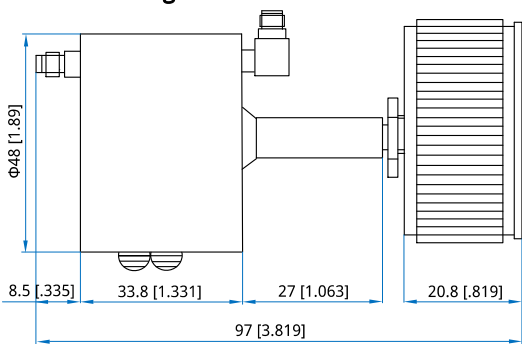
### Description

QSA18A 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.

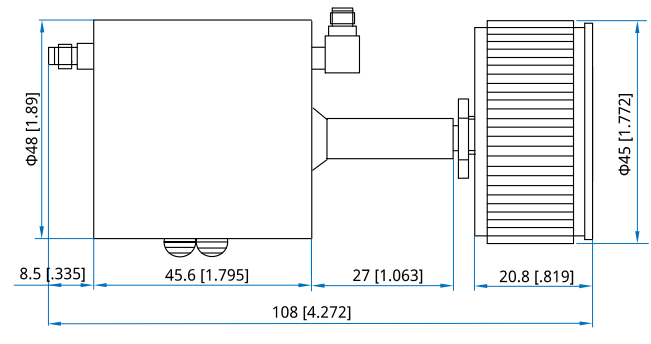
### Specifications

Frequency (GHz)	Attenuation Range/Step (dB)	VSWR (Max.)	IL (dB Max.)	Attenuation Accuracy ( $\pm$ dB)	Avg Power (W)	Connectors
DC~8	0~9/1	1.4	0.8	0.6	2, 10	SMA
DC~12.4		1.5	1	0.8		
DC~18		1.6	1.2	1		
DC~8	0~90/10	1.4	1	1.5 (0~60dB), 2.5 or 3.5% (70~90dB)	2, 10	SMA
DC~12.4		1.5	1.2			
DC~18		1.6	1.5			
DC~18	0~70/10	1.65	1	1.5 or 4%	25	SMA

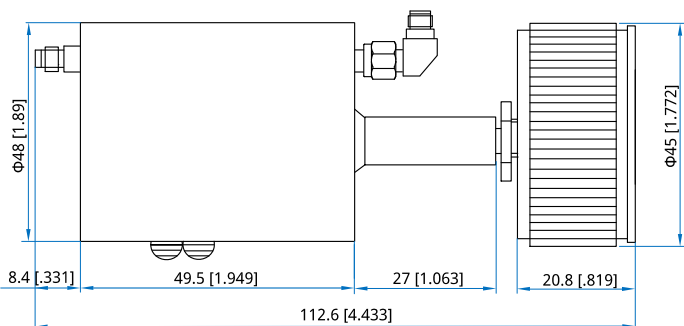
### Outline Drawings



Outline A



Outline B



Outline C

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

### Electrical

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Impedance: 50Ω  
Peak Power<sup>\*1</sup>: 200W

[1] Pulse width: 5μs, duty cycle: 1%.

### Mechanical

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Weight: 280g max.  
RF Connectors: SMA Female  
Housing Materials: Aluminum

### Environmental

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Temperature: 0~+54°C

### How To Order

#### QSA18A-W-X-Y-Z

W: Stop Frequency in GHz

X: Maximum attenuation in dB (Outline A - 2W 0~9dB, Outline B - 2W 0~90dB/10W, Outline C - 25W)

Y: Power in Watts

Z: Connector type

Connector naming rules:

S - SMA Female

Examples:

To order an attenuator, DC~8GHz, 0~9dB attenuation, 2W, SMA female, specify QSA18A-8-9-2-S.

Customization is available upon request.