

QSA18C

DC~18GHz, 0~121dB

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 (GHz)	Attenuation Range/Step (dB)	VSWR (Max.)	IL (dB Max.)	Attenuation Accuracy (\pm dB)	Avg Power (W)	Connectors
DC~8	0~99.9/0.1	1.5	1.3	0.5 (0~0.9dB), 0.8 (1~9.9dB@0.1~8GHz), 1 (1~9.9dB@8~18GHz), 1.5 (10~19.9dB), 2 (20~49.9dB), 2.5 (50~69.9dB), 3 or 3.5% (70~99.9dB)	2	N, SMA
DC~12.4	0~99.9/0.1	1.65	1.6	0.5 (0~0.9dB), 0.8 (1~9.9dB@0.1~8GHz), 1 (1~9.9dB@8~18GHz), 1.5 (10~19.9dB), 2 (20~49.9dB), 2.5 (50~69.9dB), 3 or 3.5% (70~99.9dB)	2	
	0~109/1	1.7		0.8 (1~9dB), 1 (10~19dB), 1.5 (20~49dB), 2 (50~69dB), 2.5 or 3.5% (70~99dB), 4% (> 99)	2, 5	
DC~18	0~99.9/0.1		2	1.7	0.5 (0~0.9dB), 0.8 (1~9.9dB@0.1~8GHz), 1 (1~9.9dB@8~18GHz), 1.5 (10~19.9dB), 2 (20~49.9dB), 2.5 (50~69.9dB), 3 or 3.5% (70~99.9dB)	
	0~109/1	1.8			0.8 (1~9dB), 1 (10~19dB), 1.5 (20~49dB), 2 (50~69dB), 2.5 or 3.5% (70~99dB), 4% (> 99)	
	0~121/1					

Electrical

Impedance: 50 Ω
 Peak Power^{*1}: 200W

[1] Pulse width: 5 μ s, load cycle: 2%.

Environmental

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

Mechanical

RF Connectors: N Male & Female
 SMA Female

Weight: 1335g

Housing Materials: Aluminum, anodised

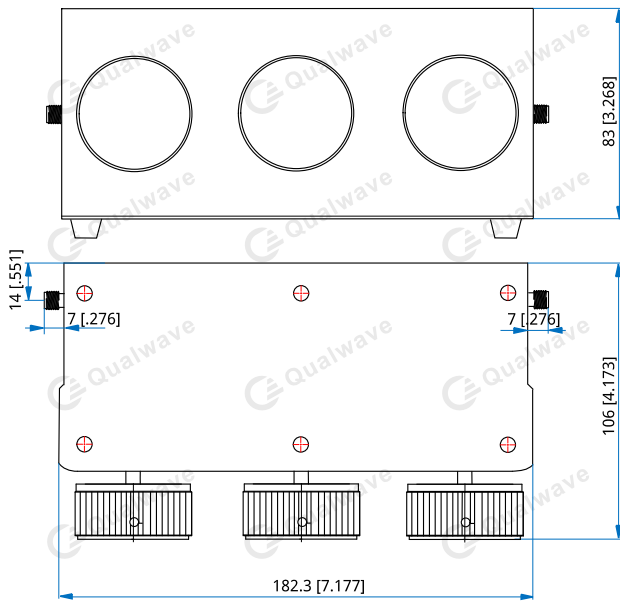
Male Inner Conductor: Gold plated brass

Female Inner Conductor: Gold plated beryllium brass

Connectors: Nickel plated brass

Rotary Stepped Attenuators

Outline Drawings



Outline A

Unit: mm [in]
Tolerance: $\pm 5\%$

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)

Examples: 99.9dB attenuation, 2W, SMA female, specify
QSA18C-18-99.9-2-S.

Customization is available upon request.