Qualwave

Rotary Stepped Attenuators

QSA06A

DC~6GHz, 0~90dB, 10W

Features:
* Low VSWR
* High Attenuation Flatness

Applications:
* Wireless
* Transmitter
* Laboratory Test
* Radar

Description

QSA06A 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)	Connectors
DC~2.5	0~1/0.1	1.25	0.5	0.2	2, 10	SMA, N
DC~3		1.3	0.5	0.2		
DC~4.3		1.35	0.75	0.3		
DC~6		1.4	1	0.3		
DC~2.5	0~10/1	1.25	0.4	0.4	2, 10	SMA, N
DC~3		1.3	0.5	0.5		
DC~4.3		1.35	0.75	0.5		
DC~6		1.4	1	0.5		
DC~2.5	0~60/10	1.25	0.4	0.5	2, 10	SMA, N
DC~3		1.3	0.5	0.5 (1~50dB), 0.8 or ±3% (50~60dB)		
DC~4.3		1.35	0.75			
DC~6		1.4	1			
DC~2.5	0~90/10	1.25	0.4	0.5 (1~50dB), ±3% (50~90dB)	2, 10	SMA, N
DC~3		1.3	0.5	0.5 (1~50dB), ±3.5% (50~90dB)		

Electrical

Impedance:	50Ω
Peak Powr[*1]:	100W

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

Mechanical

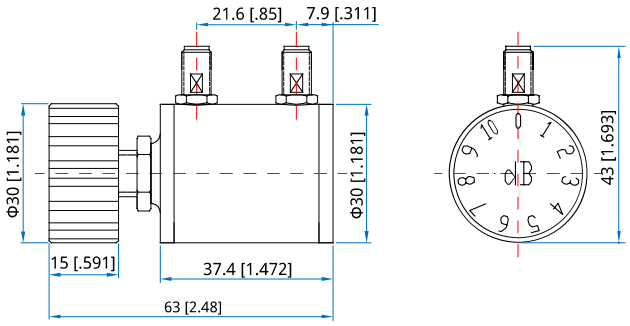
Size[*2]:	Φ30*63mm
	Φ1.181*2.48in
Weight:	250g
RF Connectors:	SMA Female, N Female
Housing Materials:	Aluminum

[2] Exclude connectors.

Environmental

Temperature:	-20~+85℃

Outline Drawings



Unit: mm [inch]
Tolerance: ±1mm [±0.04in]

How To Order

QSA06A-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~6GHz, 0~60dB attenuation, 2W, SMA female, specify QSA06A-6-60-2-S.

Customization is available upon request.