

## NSA06A

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

**Features:**

- \* Low VSWR
- \* High Attenuation Flatness

**Applications:**

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

### Description

NSA06A 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 ( $\pm$ 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 $\pm$ 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), $\pm$ 3% (50~90dB)	2, 10	SMA, N
DC~3		1.3	0.5	0.5 (1~50dB), $\pm$ 3.5% (50~90dB)		

### Electrical

Impedance: 50 $\Omega$   
 Peak Power<sup>\*1</sup>: 100W

[1] Pulse width: 5 $\mu$ s, duty cycle: 2%.

### Mechanical

Size<sup>\*2</sup>:  $\Phi$ 30\*63mm  
 $\Phi$ 1.181\*2.48in

Weight: 250g

RF Connectors: SMA Female, N Female

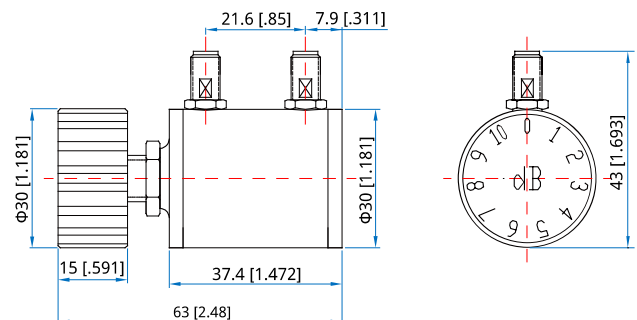
Housing Materials: Aluminum

[2] Exclude connectors.

### Environmental

Temperature: -20~+85 $^{\circ}$ C

### Outline Drawings



Unit: mm [inch]

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

**How To Order**

**NSA06A-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 NSA06A-6-60-2-S.

Customization is available upon request.