

NSA18B

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

Features:

- * Low VSWR
- * High Attenuation Flatness

Applications:

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

Description

NSA18B 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 (±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: 50Ω

Peak Power^{*1}: 200W

[1] Pulse width: 5us, duty cycle: 0.5%.

Mechanical

Size: Φ48*163mm

Φ1.89*6.417in

Weight: 480g

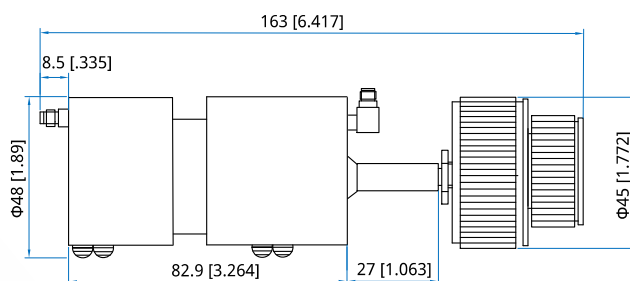
RF Connectors: SMA Female

Outer Conductor: Stainless Steel

Inner Conductor: Gold Plated Beryllium Copper

Housing Materials: Aluminum

Outline Drawings



Unit: mm [inch]

Tolerance: ±1mm [±0.04in]

Environmental

Temperature: 0~+54°C



Rotary Stepped Attenuators

NSA18B-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 NSA18B-12.4-69-2-S.

Customization is available upon request.

