

NSA18C

DC~18GHz, 0~99.9dB, 2W

Features:

- * Low VSWR
- * High Attenuation Flatness

Applications:

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

Description

NSA18C 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	0~99.9/0.1	1.5	1.3	0.5 (0.1~0.9dB@DC~8GHz), 0.8	2	N, SMA, 3.5mm
DC~12.4		1.65	1.6	(1~9.9dB@DC~8GHz), 1		
DC~18		2	1.7	(1~9.9dB@8~18GHz), 1.5 (10~19dB), 2 (20~49dB), 2.5 (50~69dB), 3 or 3.5% (70~99dB)		

Electrical

Impedance: 50Ω
Peak Power^{*1}: 200W

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

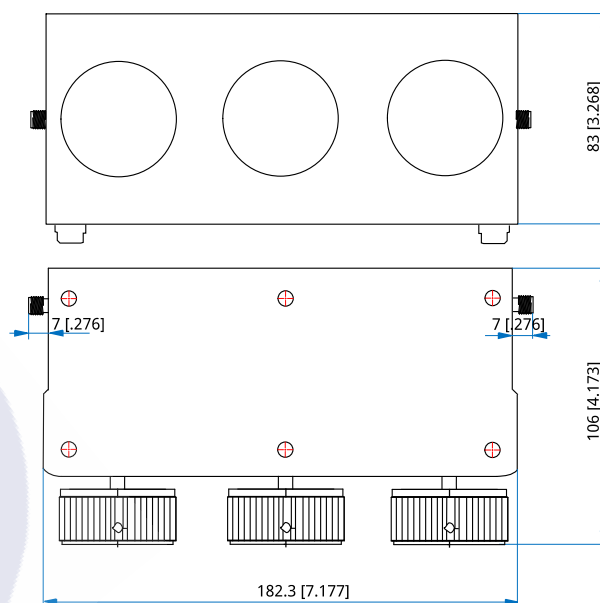
Mechanical

RF Connectors: N Male & Female
SMA Female
3.5mm Female
Housing Materials: Aluminum, anodised
Male Inner Conductor: Gold plated brass
Female Inner Conductor: Gold plated beryllium brass
Connectors: Nickel plated brass

Environmental

Temperature: 0~+54°C

Outline Drawings



Outline A

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



Rotary Stepped Attenuators

NSA18C-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)

3 - 3.5mm female (Outline A)

Examples: 99.9dB attenuation, 2W, SMA female, specify

NSA18C-18-99.9-2-S.

Customization is available upon request.

