



WFA1825

DC~18GHz, 25W

Features:

- * Low VSWR
- * High Attenuation Flatness

Applications:

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



Electrical

Frequency: DC~18GHz
 Attenuation: 1~50dB
 Impedance: 50Ω
 Average Power*1: 25W@25°C

[1] Derated linearly to 1.25W@120°C.

Mechanical

Size*2: Φ44*89mm
 Φ1.732*3.504in
 Size*3: Φ44*94mm
 Φ1.732*3.701in
 RF Connectors*2: N Male, N Female
 RF Connectors*3: SMA Male, SMA Female

[2] N connectors.
 [3] SMA connectors.

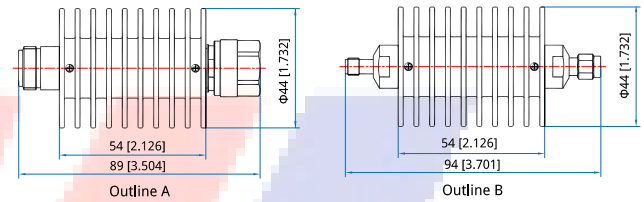
Environmental

Temperature: -55~+125°C

Peak Power

Peak Power (W)	Pulse Width (μs)	Duty Cycle (%)	Applicable Scope
500	5	2.5	@SMA,DC~18GHz
5000		1.25	@N,DC~12.4GHz
1000		1.25	@N,18GHz

Outline Drawings



Unit: mm [in]
 Tolerance: ±2mm [±0.08in]

How To Order
WFA1825-X-Y-Z

X: Frequency in GHz
 Y: Attenuation in dB
 Z: Connector type

Connector naming rules:
 N - N (Outline A)
 S - SMA (Outline B)

Examples:
 To order an attenuator, DC-18GHz, N male to N female, 3dB attenuation, specify WFA1825-18-3-N.

Attenuation Accuracy and VSWR

Frequency (GHz)	Attenuation Accuracy (±dB) vs. Attenuation (dB)				VSWR (max.)
	1~10	11~20	21~30	40~50	
DC~4	0.4	0.5	0.6	0.7	1.2
DC~8	0.5	0.6	0.8	0.8	1.25
DC~12.4	0.7	0.8	0.9	1.0~1.1	1.35
DC~18	0.8	0.9	1.1	1.2~1.3	1.45