NFA2610

DC~26.5GHz, 10W

Features:
* Low VSWR
* High Attenuation Flatness

Applications:
* Wireless
* Transmitter
* Laboratory Test
* Radar

Electrical

Frequency:	DC~26.5GHz
Attenuation:	1~70dB
Impedance:	50Ω
Average Power*[1]:	10W@25°C max.
Peak Power:	500W (5μS pulse width, 1% duty cycle) @SMA 1KW (5μS pulse width, 0.5% duty cycle) @3.5mm

[1] Derated linearly to 0.5W@120°C.@SMA

[2] Derated linearly to 1W@125°C.@3.5mm

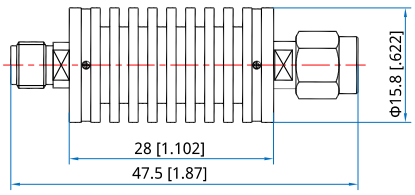
Mechanical

RF Connectors:	SMA, 3.5mm
Housing:	Aluminum
Outer Conductor:	Passivated stainless steel or gold/nickel plated brass
Male Inner Conductor:	Gold plated brass
Female Inner Conductor:	Gold plated beryllium copper

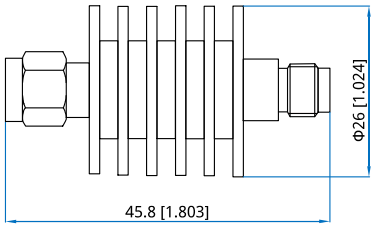
Environmental

Temperature:	-55~+85°C

Outline Drawings



Outline A



Outline B

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

How To Order

NFA2610-X-Y-Z

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

Connector naming rules:
S -SMA (Outline A)
3 - 3.5mm (Outline B)

Examples:
To order an attenuator, DC~26.5GHz, SMA male to SMA female, 20dB attenuation, specify NFA2610-26.5-20-S.

Attenuation Accuracy and VSWR (SMA)

Frequency (GHz)	Attenuation Accuracy (±dB) vs. Attenuation (dB)				VSWR (max.)
	1~10	11~20	21~30	31~40	
DC~4	±0.7	±0.7	±0.7	±0.7	1.15
DC~8	±0.7	±0.7	±0.7	±0.8	1.2
DC~12.4	±0.8	±0.8	±0.9	±0.9	1.25
DC~18	±1	±1	±1	±1.2	1.3
DC~26.5	±1	±1.1	±1.2	±1.3	1.35

Attenuation Accuracy and VSWR (3.5mm)

Frequency (GHz)	Attenuation Accuracy (±dB) vs. Attenuation (dB)						VSWR (max.)
	1~10	20, 30	40	50	60	70	
DC~12.4	±0.6	±0.5	-0.5/+0.7	±1	-1/+1.5	-1.2/+1.5	1.15
DC~18	±0.8	±0.8	-0.5/+1	-1/+1.2	-1/+1.5	-1.2/+1.5	1.2
DC~26.5	±1	-0.5/+1.2	-0.5/+1.2	-1/+1.5	-1/+1.5	-1.2/+1.8	1.25