

NFA2650

DC~26.5GHz, 50W

Features:

- * Low VSWR
- * High Attenuation Flatness

Applications:

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

Electrical

Frequency:	DC~26.5GHz
Attenuation:	1~60dB
Impedance:	50Ω
Average Power*1:	50W@25°C max.

[1] Derated linearly to 5W@125°C.

Mechanical

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

Environmental

Temperature:	-55~+85°C
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Peak Power

Peak Power (W)	Pulse Width (μs)	Duty Cycle (%)	Applicable Scope
200	5	10	@SMA 10, 20, 30, 40dB
500		10	@3.5mm 10, 20, 30, 40dB
1000		5	@SMA 50, 60dB
		2.5	@SMA 1~9dB
			@3.5mm 3, 6, 50, 60dB

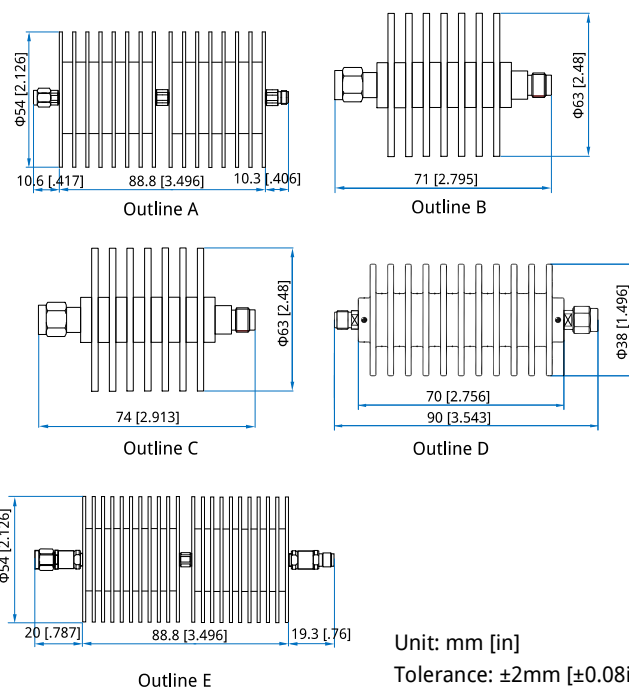
Attenuation Accuracy and VSWR (SMA)

Frequency (GHz)	Attenuation Accuracy (±dB) vs. Attenuation (dB)							VSWR (max.)
	1~9	10	20	30	40	50	60	
DC~26.5	-1.0/+2.5	-2.0/+2.0	-2.0/+2.0	-2.0/+2.0	-2.0/+2.0	±1.0	±1.0	1.3

Attenuation Accuracy and VSWR (3.5mm)

Frequency (GHz)	Attenuation Accuracy (±dB) vs. Attenuation (dB)								VSWR (max.)
	3	6	10	20	30	40	50	60	
DC~12.4	-0.8/+0.3	±1.0	-	-	-	-	-1.0/+0.75	-1.0/+0.5	1.20
DC~18	±0.8	±1.0	-	-	-	-	±1.0	-1.0/+0.75	1.25
DC~26.5	-0.8/+1.0	-1.0/+1.7	-2.0/+2.0	-2.0/+2.0	-2.0/+2.0	-2.0/+2.0	±1.0	±1.0	1.30, 1.35@10~40dB

Outline Drawings



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

How To Order

NFA2650-X-Y-Z

X: Frequency in GHz

Y: Attenuation in dB

Z: Connector type

Connector naming rules:

S-SMA (Outline D - 1~9dB, Outline A - 10~40dB, Outline B - 50~60dB)
3-3.5mm (Outline C - 3, 6, 50, 60dB, Outline E - 5 - 10~40dB)

Examples:

To order an attenuator, DC~26.5GHz, SMA male to SMA female, 20dB attenuation, specify NFA2650-26.5-20-S.