

NFA5002

DC~50GHz, 2W

Features:

- * Low VSWR
- * High Attenuation Flatness

Applications:

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

Electrical

Frequency:	DC~50GHz
Attenuation:	0~10, 12, 15, 20, 30, 40, 50dB
Impedance:	50Ω
Average Power*1:	2W@25°C max.
Peak Power:	200W (5μS pulse width, 1% duty cycle) @40, 50dB 20W (5μS pulse width, 1% duty cycle) @30dB

[1] Derated linearly to 0.2W@125°C.@40, 50dB

[2] Derated linearly to 0.5W@125°C.@30dB

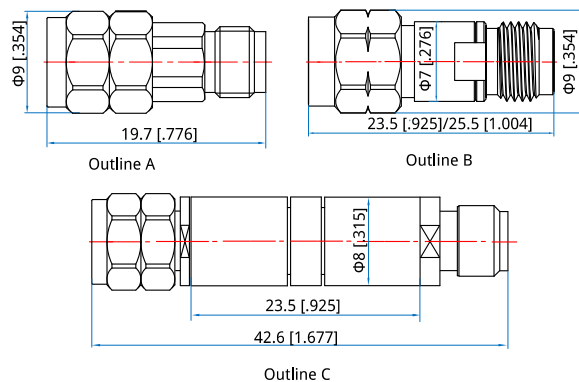
Mechanical

RF Connectors:	2.4mm
Dielectric:	PEI
Outer Conductor:	Passivated stainless steel/ Nickel plated brass
Male Inner Conductor:	Gold plated brass/Gold plated beryllium copper

Environmental

Temperature: -55~+125°C

Outline Drawings



Attenuation (dB)	Length (mm [in])
0~10, 12, 15, 20	23.5 [0.925]
30	19.7 [0.776]
40, 50	42.6 [1.677]

Unit: mm [in]

Tolerance: ±2mm [±0.08in]

Attenuation Accuracy and VSWR

Frequency (GHz)	Attenuation Accuracy (±dB) vs. Attenuation (dB)								VSWR (max.)
	0	1~10	12	15	20	30	40	50	
DC~50	-0.2/+1.0	-1.0/+1.0	-1.0/+1.0	-1.0/+1.0	-1.0/+1.0	-1.0/+1.2	±1.5	±1.5	1.3@30dB, 1.4, 1.45@40dB, 50dB

How To Order

NFA5002-X-Y-Z

X: Frequency in GHz

Y: Attenuation in dB

(Outline A - 30dB, Outline B - 0~10, 12, 15, 20dB, Outline B - 40, 50dB)

Z: Connector type

Connector naming rules:

2 - 2.4mm

Examples:

To order an attenuator, DC~50GHz, 2.4mm male to 2.4mm female, 20dB attenuation, specify NFA5002-50-20-2.