

## NFA4020

### DC~40GHz, 20W

#### Features:

- \* Low VSWR
- \* High Attenuation Flatness

#### Applications:

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

#### Electrical

Frequency:	DC~40GHz
Attenuation:	3~10dB, 15dB, 20dB, 30dB, 40dB
Impedance:	50Ω
Average Power*1:	20W@25°C max.
Peak Power:	200W (5μS pulse width, 10% duty cycle)@3~30dB 200W (5μS pulse width, 5% duty cycle)@40dB

[1] Derated linearly to [0.5W@125°C.@40dB](#)

[2] Derated linearly to [2W@125°C.@3~30dB](#)

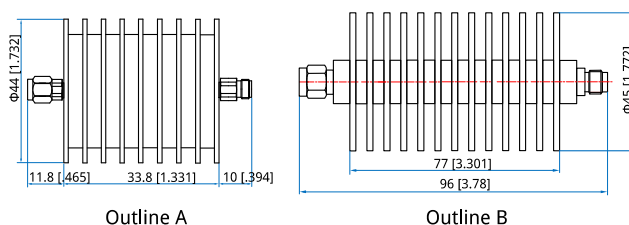
#### Mechanical

RF Connectors:	2.92mm
Housing:	Aluminum
Dielectric:	PEI
Outer Conductor:	Stainless steel
Male Inner Conductor:	Gold plated brass
Female Inner Conductor:	Gold plated beryllium copper

#### Environmental

Temperature: -55~+85°C

#### Outline Drawings



Unit: mm [in]

Tolerance: ±2mm [±0.08in]

#### Attenuation Accuracy and VSWR

Frequency (GHz)	Attenuation Accuracy (±dB) vs. Attenuation (dB)					VSWR (max.)
	3~10	15	20	30	40	
DC~40	-1.5/+1.5	-1.5/+1.5	-1.5/+1.5	-1.5/+1.5	-1.0/+2.0	1.3, 1.4@40dB

#### How To Order

**NFA4020-X-Y-Z**

X: Frequency in GHz

Y: Attenuation in dB (Outline A - 3~30dB, Outline B - 40dB)

Z: Connector type

Connector naming rules:

K - 2.92mm

Examples:

To order an attenuator, DC~40GHz, 2.92mm male to 2.92mm female, 3dB attenuation, specify NFA4020-40-3-K.