

# NFA4050

DC~40GHz, 50W

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|---|---|
| <b>Features:</b><br>* Low VSWR<br>* High Attenuation Flatness | <b>Applications:</b><br>* Wireless<br>* Transmitter<br>* Laboratory Test<br>* Radar |
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### Electrical

Frequency: DC~40GHz  
 Attenuation: 20dB, 30dB, 40dB  
 Impedance: 50Ω  
 Average Power\*1: 50W@25°C max.

[1] Derated linearly to 2.5W@120°C.

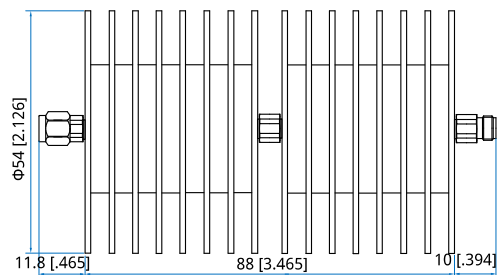
### Mechanical

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

### Environmental

Temperature: -55~+125°C

### Outline Drawings



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

### Attenuation Accuracy and VSWR

Frequency (GHz)	Attenuation Accuracy (±dB) vs. Attenuation (dB)			VSWR (max.)
	20	30	40	
DC~40	-3.0/+3.0	-3.0/+3.0	-3.0/+3.0	1.35

### How To Order

#### NFA4050-X-Y-Z

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

Connector naming rules:

K - 2.92mm

Examples:

To order an attenuator, DC~40GHz, 2.92mm male to 2.92mm female, 20dB attenuation, specify NFA4050-40-20-K.