

NFA5005
DC~50GHz, 5W

Features:
* Low VSWR
* High Attenuation Flatness

Applications:
* Wireless
* Transmitter
* Laboratory Test
* Radar

Electrical

Frequency: DC~50GHz
Attenuation: 1~10dB, 20dB, 30dB
Impedance: 50Ω
Average Power*1: 5W@25°C max.
Peak Power: 20W (5μS pulse width, 2.5% duty cycle)

[1] Derated linearly to 0.5W@125°C.

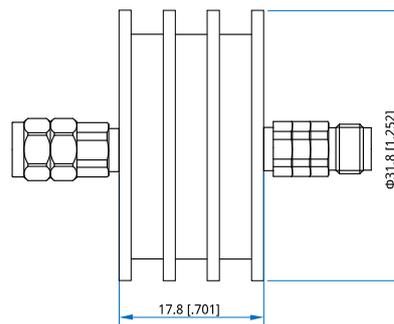
Mechanical

RF Connectors: 2.4mm
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.) |
|-----------------|---|-----------|-----------|-------------|
| | 1~10 | 20 | 30 | |
| DC~50 | -1.0/+1.2 | -1.0/+1.2 | -1.0/+1.2 | 1.3 |

How To Order

NFA5005-X-Y-Z

X: Frequency in GHz

Y: Attenuation in dB

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 NFA5005-50-20-2.