

NFA5010
DC~50GHz, 10W

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}: 10W@25°C max.
Peak Power: 20W (5μS pulse width, 1% duty cycle)

[1] Derated linearly to 1W@125°C.

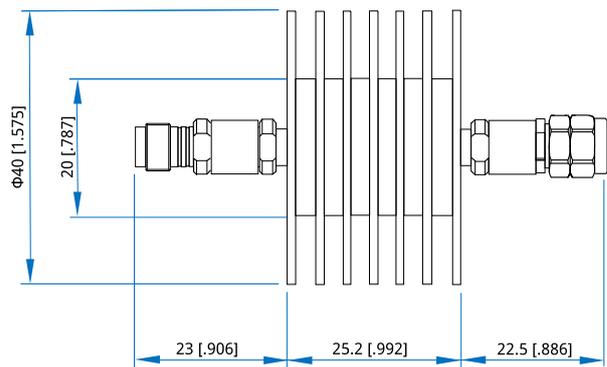
Mechanical

RF Connectors: 2.4mm
Connector Housing: Passivated stainless steel
Heat Sinks Housing: Aluminum black anodize
Dielectric: PEI
Male Inner Conductor: Gold plated brass
Female Inner Conductor: Gold plated beryllium copper

Environmental

Temperature: -55~+125°C

Outline Drawings



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

Attenuation Accuracy and VSWR

Frequency (GHz)	Attenuation Accuracy (\pm dB) vs. Attenuation (dB)			VSWR (max.)
	1~10	20	30	
DC~50	-1.5/+2.0	-1.5/+2.0	-1.5/+2.0	1.4

How To Order

NFA5010-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 NFA5010-50-20-2.