

NFA5010

DC~50GHz, 10W

Features:

- * Low VSWR
- * High Attenuation Flatness

Applications:

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

Electrical

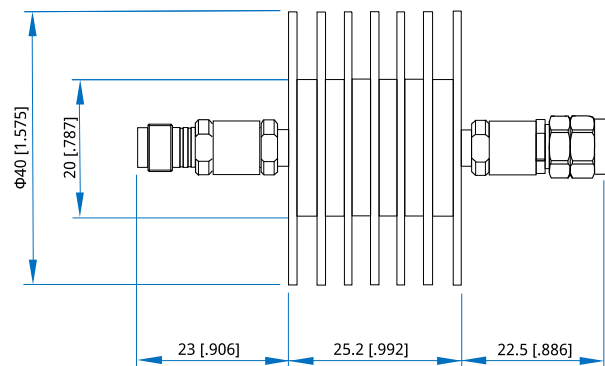
Frequency:	DC~50GHz
Attenuation:	1~10dB, 20dB, 30dB
Impedance:	50Ω
Average Power ¹ :	10W@25°C max.
Peak Power:	20W (5μS pulse width, 1% duty cycle)

[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

Outline Drawings



Unit: mm [in]

Tolerance: $\pm 2\text{mm}$ [$\pm 0.08\text{in}$]

Environmental

Temperature: -55~+125°C

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.