

**NFA6705**  
DC~67GHz, 5W

Features:

- \* Low VSWR
- \* High Attenuation Flatness

Applications:

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

**Electrical**

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Frequency:	DC~67GHz
Attenuation:	1~10dB, 20dB, 30dB
Impedance:	50Ω
Average Power*1:	5W@25°C max.
Peak Power:	20W (5μS pulse width, 1% duty cycle)

[1] Derated linearly to 0.5W@125°C.

**Mechanical**

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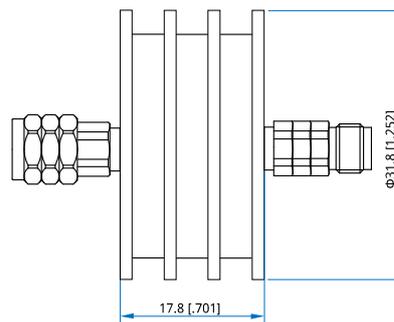
RF Connectors:	1.85mm
Housing:	Aluminum
Dielectric:	PEI
Outer Conductor:	Passivated stainless steel
Male Inner Conductor:	Gold plated brass
Female Inner Conductor:	Gold plated beryllium copper

**Environmental**

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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~67	-1.0/+1.5	-1.2/+1.5	-1.5/+2.0	1.4

**How To Order**

**NFA6705-X-Y-Z**

X: Frequency in GHz

Y: Attenuation in dB

Z: Connector type

Connector naming rules:

V - 1.85mm

Examples:

To order an attenuator, DC~67GHz, 1.85mm male to 1.85mm female, 20dB attenuation, specify NFA6705-67-20-V.