

**N7A0101**  
DC~1GHz, 1W

Features:  
\* Low VSWR  
\* High Attenuation Flatness

Applications:  
\* Wireless  
\* Transmitter  
\* Laboratory Test  
\* Radar

**Electrical**

Frequency: DC~1GHz  
Attenuation: 1, 2, 4, 8, 10, 16, 20dB  
VSWR: 1.10 max.  
Impedance: 75Ω  
Average Power<sup>+1</sup>: 1W@25°C  
Peak Power<sup>+2</sup>: 0.5KW

[1] Derated linearly to 0.2W@125°C  
[2] Pulse width: 5us, duty cycle: 0.2%.

**Attenuation Accuracy**

Frequency (GHz)	Attenuation Accuracy (±dB) vs. Attenuation (dB)			
	1/2/4/8	10	16	20
DC~1	±0.4	±0.5	±0.5	±1.0

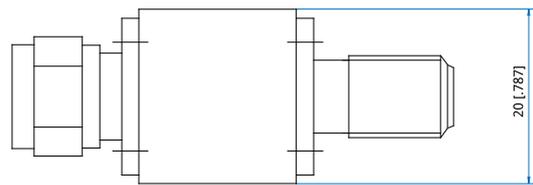
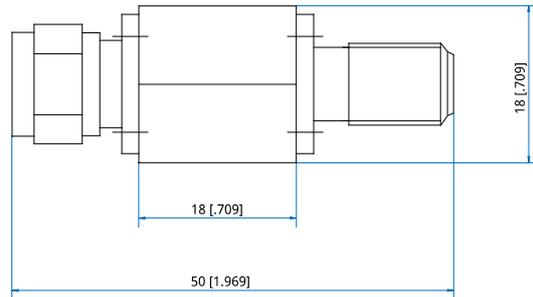
**Mechanical**

RF Connectors: F  
Housing: Aluminum  
Outer Conductor: Nickel plated brass  
Male Inner Conductor: Gold plated brass  
Female Inner Conductor: Gold plated brass

**Environmental**

Temperature: -55~+125°C

**Outline Drawings**



Outline A

Unit: mm [in]  
Tolerance: ±5%

**How To Order**

**N7A0101-X-Y-Z**

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

Connector naming rules:

F - F

Examples:

To order an attenuator, DC~1GHz, 10dB, F male to F female, specify N7A0101-1-10-F.