

### NCT1802

DC~18GHz, 2W

Features:  
 \* Low VSWR  
 \* Broadband

Applications:  
 \* Transmitters  
 \* Antennas  
 \* Laboratory Test  
 \* Impedance Matching



#### Electrical

Frequency Range: DC~18GHz  
 Average Power<sup>\*1</sup>: 2W@25°C max.  
 Impedance: 50Ω

[1] Derated linearly to 0.1W@120°C.

#### VSWR

Frequency (GHz)	VSWR <sup>*2</sup> (max.)	VSWR <sup>*3</sup> (max.)
DC~4	1.20	1.15
DC~8	1.25	1.20
DC~12.4	1.30	1.25
DC~18	1.40	1.30

[2] N connector

[3] SMA connector

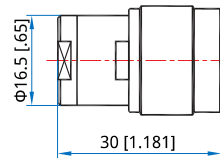
#### Mechanical

Connectors: N, SMA

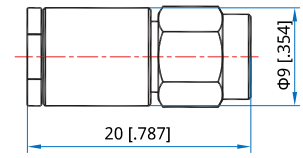
#### Environmental

Temperature: -55~+125°C

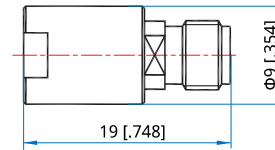
#### Outline Drawings



Outline A



Outline B



Outline C

Unit: mm [in]

Tolerance: ±1mm [±0.04in]

#### How To Order

**NCT1802-X-Y**

X: Frequency in GHz

Y: Connector type

Connector naming rules:

N - N male (Outline A)

NF - N female

S - SMA male (Outline B)

SF - SMA female (Outline C)

Examples:

To order a termination, DC-12.4GHz, SMA male, specify NCT1802-12.4-S.

Customization is available upon request.