

## NCT1820

DC~18GHz, 20W

Features:  
 \* Low VSWR  
 \* Broadband

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



### Electrical

Frequency Range: DC~18GHz  
 Average Power<sup>\*1</sup>: 20W@25°C  
 Impedance: 50Ω

[1] Derated linearly to 1W@120°C.

### VSWR

Frequency (GHz)	VSWR (max.)
DC~4	1.20
4~8	1.25
8~12.4	1.35
12.4~18	1.40

### Mechanical

Size<sup>\*2</sup>: Φ38\*28mm  
 Φ1.496\*1.102in

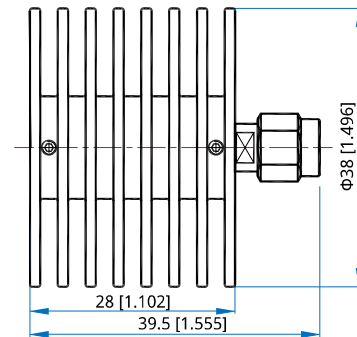
Connector: SMA, N

[2] Exclude connectors.

### Environmental

Temperature: -55~+125°C

### Outline Drawings



Unit: mm [in]  
 Tolerance: ±0.5mm [±0.02in]

### How To Order

**NCT1820-X-Y**  
 X: Frequency in GHz  
 Y: Connector type

Connector naming rules:

- N - N male
- NF - N female
- S - SMA male
- SF - SMA female

Examples:

To order a termination, DC-18GHz, SMA male, specify NCT1820-18-S.

Customization is available upon request.

