

QCT1805 DC~18GHz, 5W

Features:
* Low VSWR
* Broadband

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



Electrical

Frequency Range: DC~18GHz
Average Power^{*1}: 5W@25°C
Impedance: 50Ω
Peak Power: 500W (5μS pulse width, 0.5% duty cycle) @SMA
500W (5μS pulse width, 0.25% duty cycle) @N

[1] Derated linearly to 0.25W@120°C.

VSWR

Frequency (GHz)	VSWR ^{*2} (max.)	VSWR ^{*3} (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

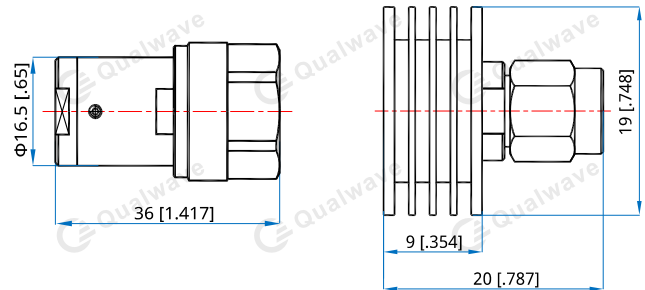
Mechanical

Connectors: N, SMA

Environmental

Temperature: -55~+125°C

Outline Drawings



Outline A

Outline B

Unit: mm [in]

Tolerance: ±1mm [±0.04in]

How To Order

QCT1805-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

Examples:

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

QCT1805-12.4-S.

Customization is available upon request.