

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

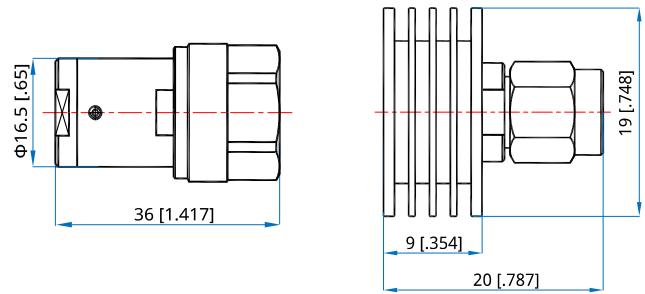
Mechanical

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.