

QCT1825

DC~18GHz, 25W

Features:
 * Low VSWR
 * Broadband

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



Electrical

Frequency Range: DC~18GHz
 Average Power^{*1}: 25W@25°C max.
 Impedance: 50Ω

[1] Derated linearly to 1.25W@120°C.

Peak Power

| Peak Power (W) | Pulse Width (μS) | Duty Cycle (%) | Applicable Scope |
|----------------|------------------|----------------|------------------|
| 500 | 5 | 2.5 | @SMA,DC~18GHz |
| 5000 | | 1.25 | @N,DC~12.4GHz |
| 1000 | | 1.25 | @N,18GHz |

VSWR

| Frequency (GHz) | VSWR (max.)(N) | VSWR (max.)(SMA) |
|-----------------|----------------|------------------|
| DC~4 | 1.20 | 1.15 |
| DC~8 | 1.25 | 1.20 |
| DC~12.4 | 1.35 | 1.25 |
| DC~18 | 1.40 | 1.30 |

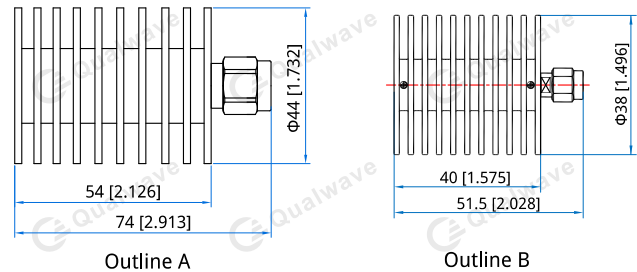
Mechanical

Connectors: N, SMA

Environmental

Temperature: -55~+125°C

Outline Drawings



Unit: mm [in]
 Tolerance: ±1.5mm [±0.06in]

How To Order

QCT1825-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~18GHz, SMA male, specify QCT1825-18-S.

Customization is available upon request.