

QCT1850

DC~18GHz, 50W

Features:
 * Low VSWR
 * Broadband

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



Electrical

Frequency Range: DC~18GHz
 DC~6GHz (BNC)
 Average Power^{*1}: 50W@25°C
 Impedance: 50Ω

[1] Derated linearly to 2.5W@120°C.

Peak Power (W)	Pulse Width (μS)	Duty Cycle (%)	Applicable Scope
500	5	5	@SMA, BNC DC~18GHz
5000		0.5	@N, TNC DC~12.4GHz
1000		2.5	@N, TNC 18GHz

Peak Power

VSWR

Frequency (GHz)	VSWR (max.)	VSWR(SMA male)(max.)	VSWR(BNC male)(max.)
DC~4	1.20	1.15	1.20
DC~6	-	-	1.25
DC~8	1.25	1.20	
DC~12.4	1.35	1.25	
DC~18	1.40	1.30	

Mechanical

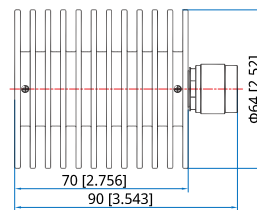
Size^{*2}: Φ64*70mm
 Φ2.52*2.756in
 Φ38*70mm(SMA male)
 Φ1.496*2.756in
 Connector: N, SMA, TNC, BNC

[2] Exclude connectors.

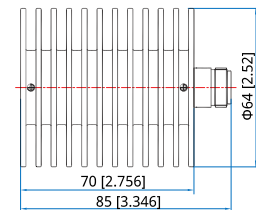
Environmental

Temperature: -55~+125°C

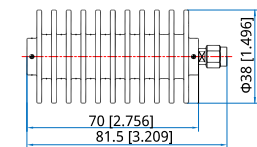
Outline Drawings



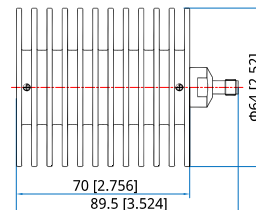
Outline A



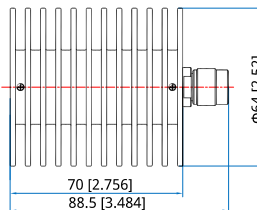
Outline B



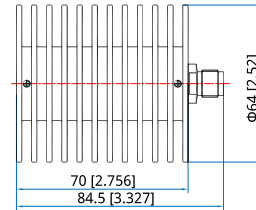
Outline C



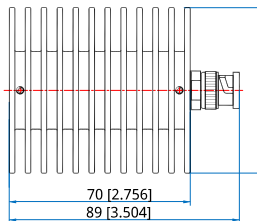
Outline D



Outline E



Outline F



Outline G

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

How To Order**QCT1850-X-Y**

X: Frequency in GHz

Y: Connector type

Connector naming rules:

N - N male (Outline A)

NF - N female (Outline B)

S - SMA male (Outline C)

SF - SMA female (Outline D)

T - TNC Male (Outline E)

TF - TNC Female (Outline F)

B - BNC Male (Outline G)

BF - BNC Female

Examples:

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

QCT1850-12.4-N.

Customization is available upon request.