

QCT1820

DC~18GHz, 20W

Features:
 * Low VSWR
 * Broadband

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



Electrical

Frequency Range: DC~18GHz (Outline E)
 DC~12.4GHz (Outline A, B, C, D)
 Average Power*1: 20W@25°C
 Impedance: 50Ω

[1] Derated linearly to 1W@120°C.

Peak Power

Peak Power (W)	Pulse Width (μS)	Duty Cycle (%)	Applicable Scope
500		2	@SMA,DC~18GHz
5000	5	0.2	@N,DC~12.4GHz
1000		1	@N,18GHz

VSWR

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

Mechanical

Connector: SMA, N

How To Order

QCT1820-X-Y

X: Frequency in GHz

Y: Connector type

Connector naming rules:

N - N male (Outline A, Outline E: The connector can be replaced with N female and SMA male and SMA female connectors)

NF - N female (Outline B)

S - SMA male (Outline C)

SF - SMA female (Outline D)

Examples:

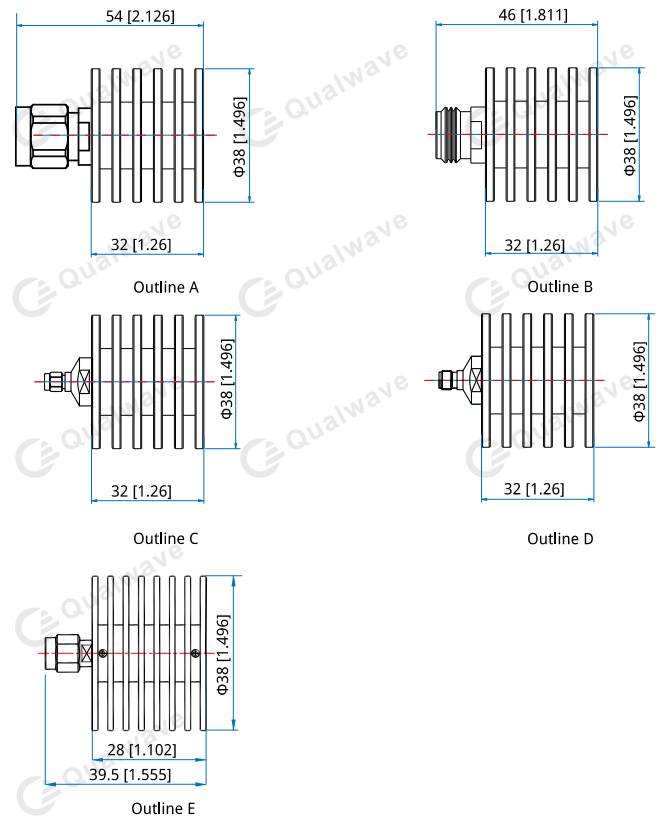
To order a termination, DC-18GHz, SMA male, specify QCT1820-18-S.

Customization is available upon request.

Environmental

Temperature: -55~+125°C

Outline Drawings



Unit: mm [in]

Tolerance: ±0.5mm [±0.02in]

Typical Performance Curves
N (DC~12.4GHz)