

## QCT1802 DC~18GHz, 2W

Features:  
\* Low VSWR  
\* Broadband

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

### Electrical

Frequency: DC~18GHz  
Average Power\*<sup>†1</sup>: 2W@25°C max.  
Impedance: 50Ω

[1] Derated linearly to 0.1W@120°C.

### VSWR

Frequency (GHz)	Connectors vs VSWR (Max.)		
	N	TNC	SSMA
DC~4	1.2	1.2	1.15
DC~8	1.25	1.25	1.2
DC~12.4	1.3	1.35	1.25
DC~18	1.2	1.4	1.3

### Mechanical

Connectors: N, TNC, SSMA  
SMA in QCT2602

### Environmental

Temperature: -55~+125°C

### How To Order

#### QCT1802-X-Y

X: Frequency in GHz

Y: Connector type

Connector naming rules:

N - N male (DC~4GHz, DC~8GHz, DC~12.4GHz, N Male, Outline A ;

DC~18GHz, N Male, Outline C)

NF - N female (DC~4GHz, DC~8GHz, DC~12.4GHz, N Female,

Outline B ; DC~18GHz, N Female, Outline D)

T - TNC male (Outline E)

TF - TNC female (Outline F)

A - SSMA male (Outline G)

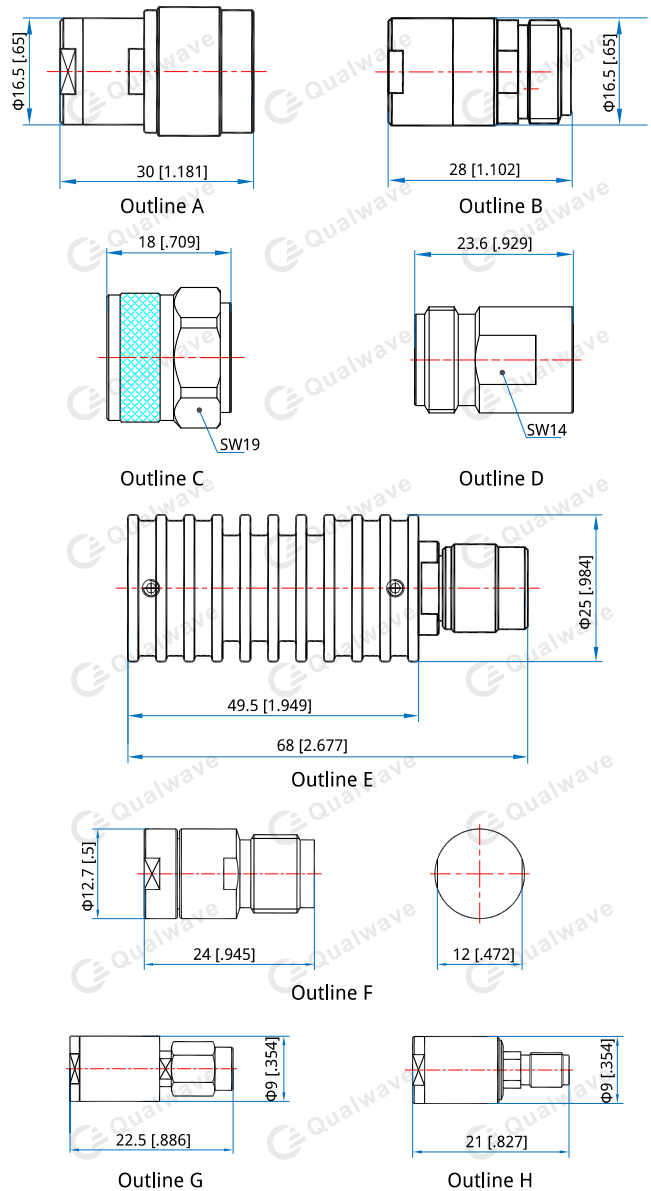
AF - SSMA female (Outline H)

Examples:

To order a termination, DC-12.4GHz, N male, specify QCT1802-12.4-N.

Customization is available upon request.

### Outline Drawings



Unit: mm [in]

Tolerance:  $\pm 1$ mm [ $\pm 0.04$ in]