

FCT1810

DC~18GHz, 10W

Features:
 * Low VSWR
 * Broadband

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



Electrical

Frequency Range:	DC~18GHz
Average Power* ¹ , ² :	10W@25°C max.
Impedance:	50Ω
Peak Power:	500W (5μS pulse width, 1% duty cycle) @SMA 1KW (5μS pulse width, 0.5% duty cycle) @N

[1] Derated linearly to 0.5W@120°C.

[2] Derated linearly to 0.1W@125°C.(SMP)

VSWR

Frequency (GHz)	NF, SMA	SMP	N, TNC
DC~4	1.20	1.20	1.15
DC~8	1.25	1.25	1.25
DC~12.4	1.35	1.35	1.35
DC~18	1.40	1.50	1.40

Mechanical

Connectors: N, SMA, SMP, TNC

Environmental

Temperature: -55~+125°C

How To Order

FCT1810-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
- P - SMP male (Outline D)
- PF - SMP female
- T - TNC male (Outline E)
- TF - TNC female

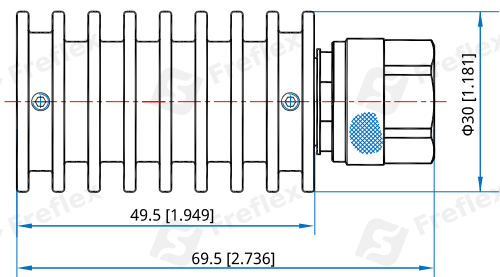
Examples:

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

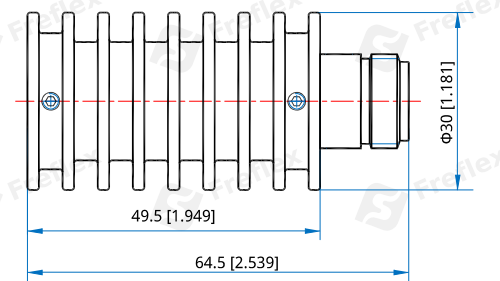
FCT1810-12.4-N.

Customization is available upon request.

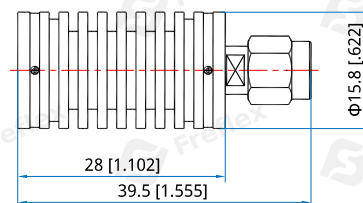
Outline Drawings



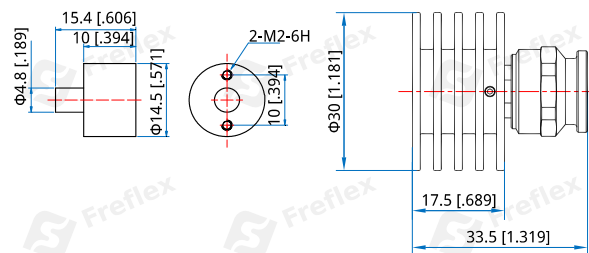
Outline A



Outline B



Outline C



Outline D

Outline E

Unit: mm [in]

Tolerance: ±1.6mm [±0.06in]