

## FCT18K6

### DC~18GHz, 600W

Features:  
 \* Low VSWR  
 \* Broadband

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

#### Electrical

Frequency Range:	DC~18GHz
Average Power* <sup>1</sup> :	600W@25°C
Impedance:	50Ω
Peak Power:	5KW (5μS pulse width, 6% duty cycle) @DC~12.4GHz 1KW (5μS pulse width, 30% duty cycle) @18GHz

[1] Derated linearly to 30W@120°C.

#### VSWR

Frequency (GHz)	VSWR (max.)
DC~4	1.2
DC~8	1.25
DC~12.4	1.35
DC~18	1.45

#### Mechanical

Size\*<sup>2</sup>: 509\*120\*110mm  
20.039\*4.724\*4.331in

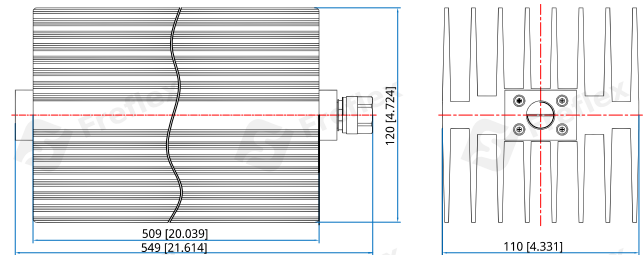
Connector: N

[2] Exclude connectors.

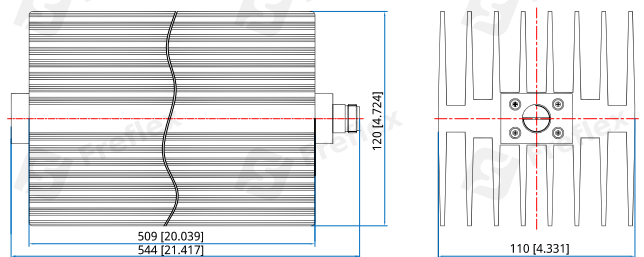
#### Environmental

Temperature: -55~+125°C

#### Outline Drawings



Outline A



Outline B

Unit: mm [in]

Tolerance: ±1mm [±0.04in]

#### How To Order

**FCT18K6-X-Y**

X: Frequency in GHz

Y: Connector type

Connector naming rules:

N - N male (Outline A)

NF - N female (Outline B)

Examples:

To order a termination, DC-12.4GHz, N male, specify FCT18K6-12.4-N

Customization is available upon request.