

## FCT1825

### DC~18GHz, 25W

Features:  
 \* Low VSWR  
 \* Broadband

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



#### Electrical

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

[1] Derated linearly to 1.25W@120°C.

#### Peak Power

Peak Power (W)	Pulse Width (μS)	Duty Cycle (%)	Applicable Scope
500	5	2.5	@SMA,DC~18GHz
5000		1.25	@N,DC~12.4GHz
1000		1.25	@N,18GHz

#### VSWR

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

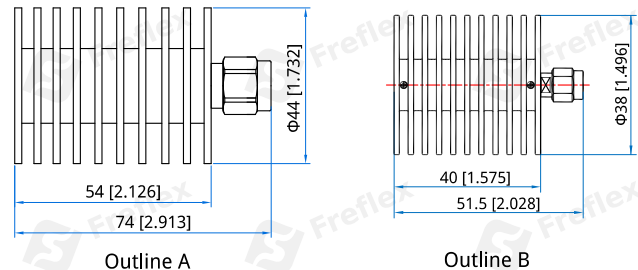
#### Mechanical

Connectors: N, SMA

#### Environmental

Temperature: -55~+125°C

#### Outline Drawings



Unit: mm [in]  
 Tolerance: ±1.5mm [±0.06in]

#### How To Order

##### FCT1825-X-Y

X: Frequency in GHz  
 Y: Connector type

Connector naming rules:

- N - N male (Outline A)
- NF - N female
- S - SMA male (Outline B)
- SF - SMA female

Examples:

To order a termination, DC~18GHz, SMA male, specify FCT1825-18-S.

Customization is available upon request.