

## FCT1820

### 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

##### FCT1820-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:

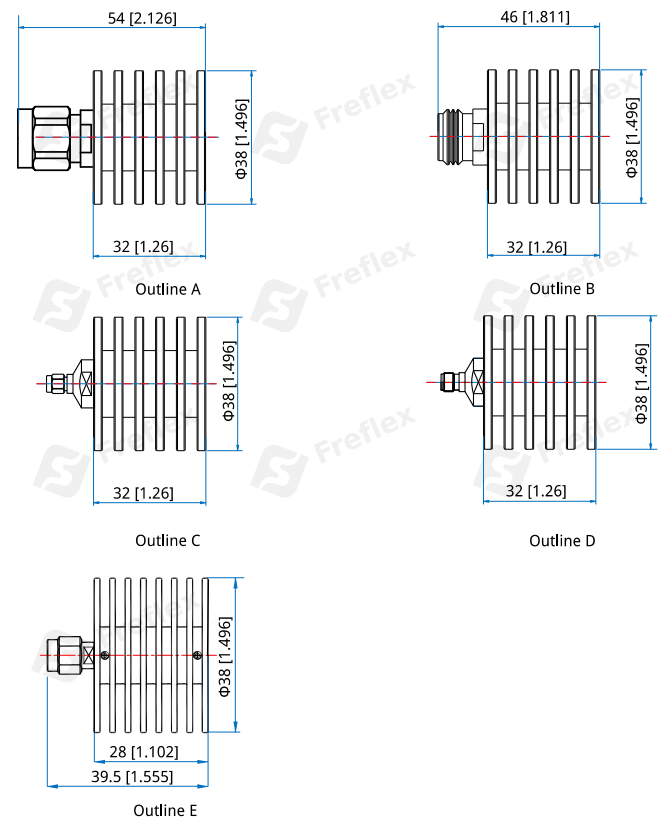
To order a termination, DC-18GHz, SMA male, specify FCT1820-18-S.

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)