

# FCT1830

## DC~12.4GHz, 30W

Features:  
 \* Low VSWR  
 \* Broadband

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

### Electrical

Frequency Range: DC~12.4GHz  
 Average Power\*1: 30W@25°C  
 VSWR: 1.25 max.  
 Impedance: 50Ω

[1] Derated linearly to 1.5W@120°C.

### Peak Power

Peak Power (W)	Pulse Width (μS)	Duty Cycle (%)	Applicable Scope
500	5	3	@SMA, DC~12.4GHz
5000		0.3	@N, DC~12.4GHz

### Mechanical

Connector: SMA, N

### Environmental

Temperature: -55~+125°C

### How To Order

#### FCT1830-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)

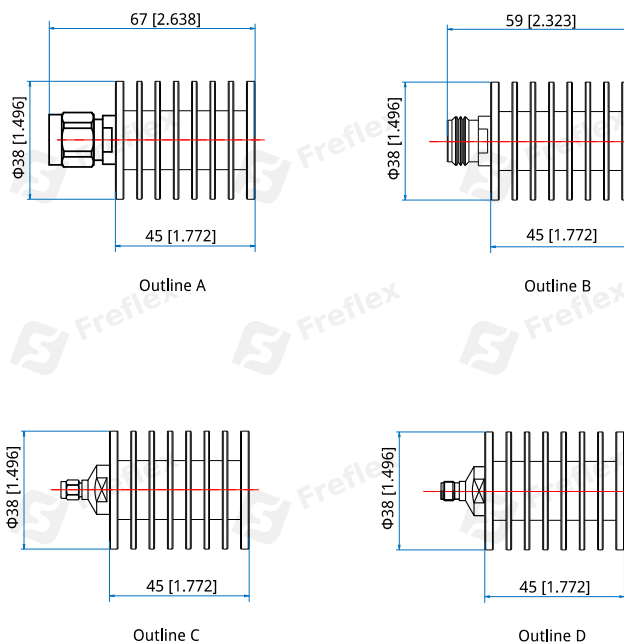
SF - SMA female (Outline D)

Examples:

To order a termination, DC~12.4GHz, SMA male, specify FCT1830-12.4-S.

Customization is available upon request.

### Outline Drawings



Unit: mm [in]

Tolerance: ±0.5mm [±0.02in]

### Typical Performance Curves N (DC~12.4GHz)

