

## FCT042K

DC~4GHz, 2000W

Features:  
\* Low VSWR  
\* Broadband

Applications:  
\* Wireless  
\* Transmitter  
\* Laboratory Test  
\* Radar

### Electrical

Frequency Range:	DC~4GHz
Average Power*1:	2000W
Impedance:	50Ω
Peak Power:	10KW (5μS pulse width, 10% duty cycle)

[1] Derated linearly to 200W@125°C.

### VSWR

Frequency (GHz)	VSWR (max.)
DC~1	1.2
DC~2	1.25
DC~3	1.4
DC~4	1.8

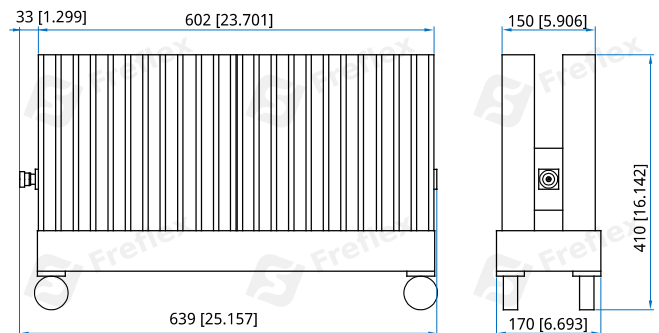
### Mechanical

Size:	639*170*410mm 25.157*6.693*16.142in
Weight:	30Kg
RF Connectors:	N, 7/16 DIN
Housing:	Aluminum
Outer Conductor:	Nickel plated brass
Male Inner Conductor:	Silver plated brass
Female Inner Conductor:	Silver plated phosphor bronze
Cooling:	Air cooling

### Environmental

Temperature:	-55~+125°C
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### Outline Drawings



Unit: mm [in]  
Tolerance: ±3%

### How To Order

**FCT042K-X-Y**

X: Frequency in GHz

Y: Connector type

Connector naming rules:

NF - N Female

N - N Male

7F - 7/16 DIN Female

7 - 7/16 DIN Male

Examples:

To order an termination, DC~4GHz, N female, specify FCT042K-4-NF.