

# FCT015K

## DC~1GHz, 5000W

Features:  
 \* Low VSWR  
 \* Broadband

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

### Electrical

Frequency Range:	DC~1GHz
Average Power:	5000W
Impedance:	50Ω
Peak Power:	100KW (5μS pulse width, 5% duty cycle)

Frequency (GHz)	VSWR (max.)	Connectors
DC~0.7	1.4	L36, L52, 1-5/8" (IF70), 7/16 DIN Male
DC~1	1.45	7/16 DIN Female

### Mechanical

Size:	905*340*930mm 35.63*36.614*13.386in
Weight:	110Kg
Housing:	Aluminum
Outer Conductor:	Nickel plated brass
Male Inner Conductor:	Gold plated brass
Female Inner Conductor:	Gold plated phosphor copper
Coating:	Gray paint
Cooling:	Oil cooling and air cooling

### How To Order

#### FCT015K-X-Y

X: Frequency in GHz

Y: Connector type

Connector naming rules:

7F - 7/16 DIN Female

7 - 7/16 DIN Male

L4F - L36 Female

L4 - L36 Male

L3F - L52 Female

L3 - L52 Male

A1- 1-5/8" (IF70)

Examples:

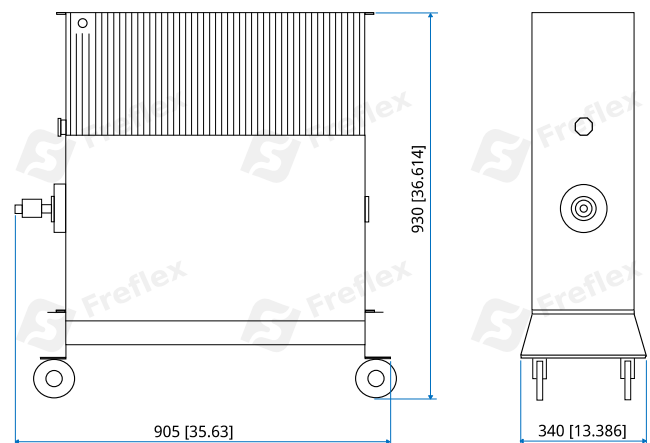
To order an termination, DC~1GHz, 7/16 DIN female, specify FCT015K-1-7F.

Customization is available upon request.

### Environmental

Temperature: -40~+45°C

### Outline Drawings



Unit: mm [in]

Tolerance: ±3%

Expain:

Replace the hexagon nut with the exhaust valve before startup, and replace the exhaust valve with the hexagon nut during transportation.