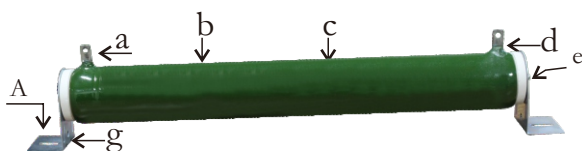


## ● Features

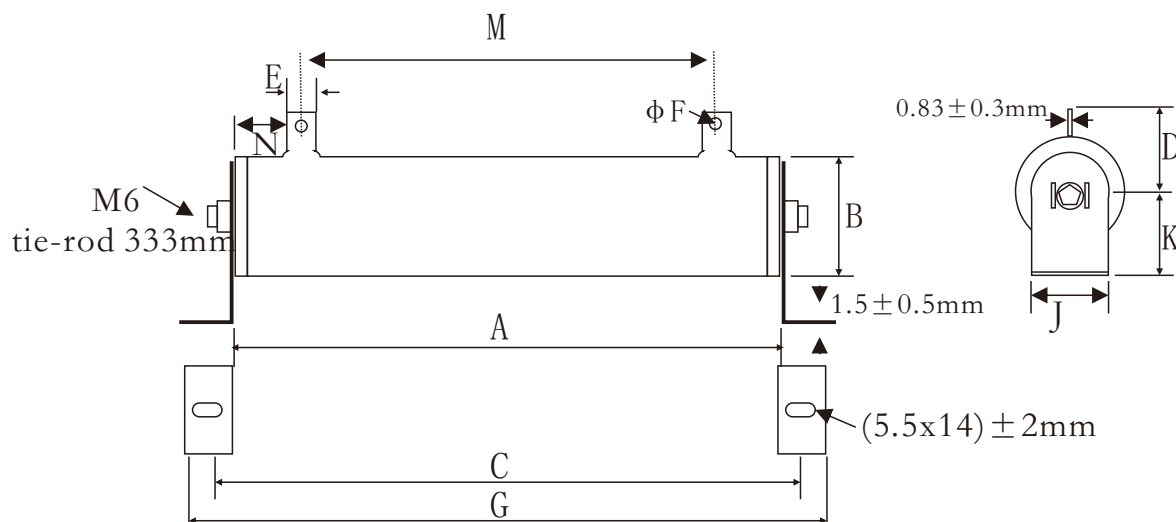
- I The nickel-chrome winding is completely protected by several coats of vitreous enamel, which have been fired to produce a high reliability resistor, capable of withstanding adverse conditions
- II Good overload and heat durability capacity, can resist humidity and heat

## ● Construction



a	Terminal block
b	Vitreous enamel
c	Alloy wire
d	Faston or screw fitting
g	Nickel iron plating support

## ● Dimensions



Note: Mich or ceramic washers are fitted at each end of the resistor

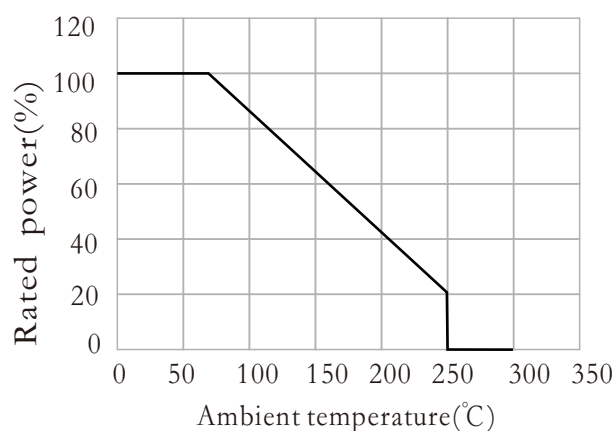
Type	Dimensions (mm)										
	A ± 3	C ± 3	G ± 3	B ± 3	M ± 3	D ± 3	K ± 3	N ± 3	J ± 3	φF ± 0.5	E ± 0.5
HWP600	305	329	358	54	235	51	50	30	51	6	10

## ● Application note

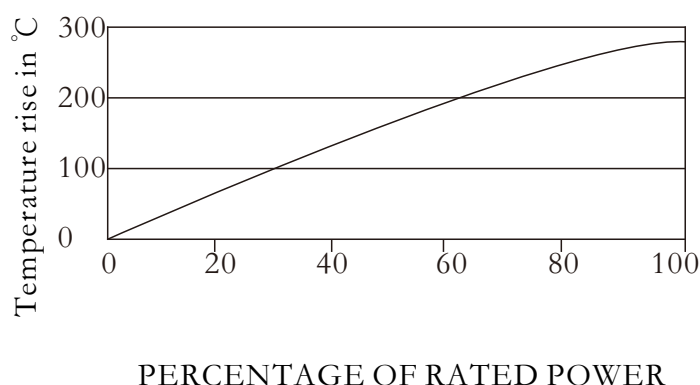
- I wire wound resistor for Continuous application
- II mounting slot size
- III The enamel does occasionally crack around the terminal band, this does not affect performance, and is only an aesthetic issue. we will not accept rejections on this issue

## ● Referebce Standarcls.latest IEC Standards for Resistors

### ● Derating Curve



### ● Temperature Rise Curve



### ● Performance

Electrical Characteristics	
Resistor Value-Nominal at room temperature(20°C)	1800Ohms
Tolerance	± 5%
Nominal Voltage limit across Resistor	3010V
Power rating (Max. Power of Resistor)	31000 W for 1s,then 15miuntes
Nominal dissipated power in the resistor	600W
Type of the Resistor	Vitreous enamel resistor
Rated Dielectric withstand voltage(terminal to mounting clamp)	7500V
Insulation Resistance	≥100MΩ
Clearance (terminal to mounting Clamp)	30mm
Creepage (terminal to mounting Clamp)	30mm
Short time (1sec) maximum dissipated power	31000W
Thermal Characteristics and Environment	
TCR -Temperature Coefficient of resistance	50ppm/°C
Operating Temperature (°C)- measured on theresistor surface and in the center of the resistor	280°C
Permissible temp Rise (Max. temperature rise on the surface of the resistor)	600°C
Storage Temperature	-50 to +90°C
Derating Characteristics-- Rated % of power (vs)Temperature rise above ambient for continuous rating	See chart below
Vibration Standards	IEC6 1373
Humidity	Tested for 500 cycles for minimum 1000 Hours at 40degrees C, 90-95% humidity

## ● Ordering Information

Example:

HWP600	J	1K8	S
(1)	(2)	(3)	(4)
Series Name	Resistance Tolerance	Resistance	

(1)Type:HWP 600 SERIES

(2)Tolerance: J=  $\pm 5\%$ 、K=  $\pm 10\%$

(3)Resistance Value:1R00=1 $\Omega$ 、010R00=10 $\Omega$ 、100R00=100 $\Omega$ 、1KR00=1K $\Omega$ 、2KR00=2K $\Omega$

(4)S=Standard brackets N=No brackets