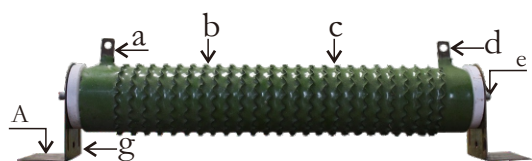


● Features

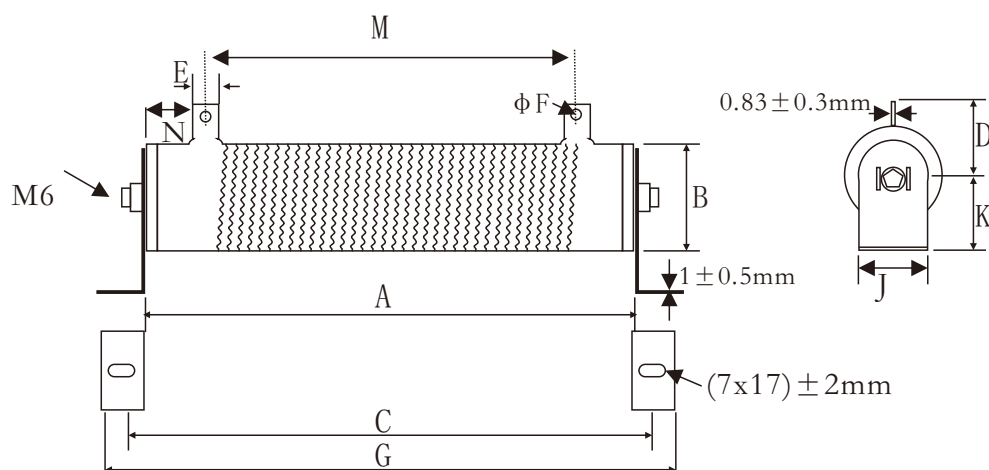
- I Surface glazed, won't be easily pitted or eroded by chemistry gas can resist humidity and heat well, can be used in the atrocious environment
- II on this of resistor, the power rating can be approximately 25% greater than that of the equivalent wire-wound resistor. due to the increased heat dissipation provided by the corrugated tape.
- III Mainly used for dynamic braking or where a pulse rated resistors is required

● Construction



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

● Dimensions



Note: M6 or ceramic washers are fitted at each end of the resistor

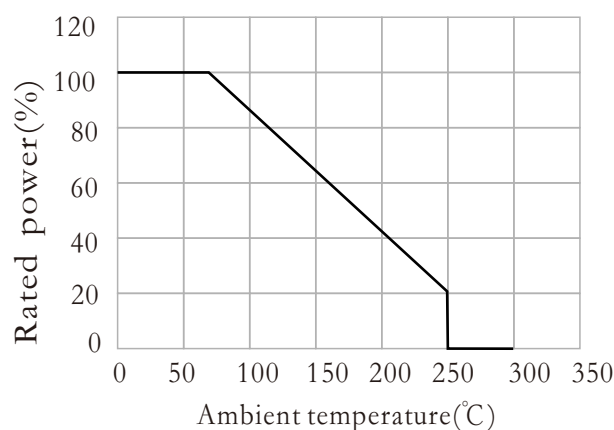
Type	Dimensions (mm)										
	A ± 3	C ± 3	G ± 3	B ± 2	M ± 4	D ± 2	K ± 2	N ± 2	J ± 2	φF ± 0.5	E ± 0.5
HWG600	305	335	357	56	225	50	76	35	50	5	10

● Application note

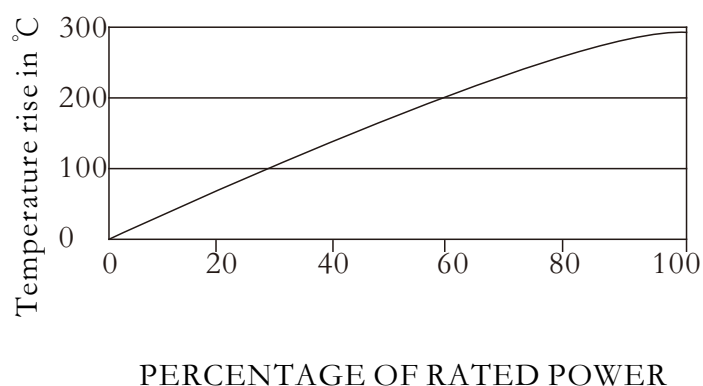
- I wire wound resistor for short time application
- II mounting slot size
- III The enamel does occasionally crack around the terminal band, this does not affect performance, and is only an aesthetic issue. we will not accept rejections on this issue

● Referebce Standarcls.latest IEC Standards for Resistors

● Derating Curve



● Temperature Rise Curve



● Performance

Electrical Characteristics	
Resistor Value-Nominal at room temperature(20° C)	6R25
Tolerance	± 10%
Nominal Voltage limit across Resistor	3010V
Power rating (Max. Power of Resistor)	23000 watts in 1s
Nominal dissipated power in the resistor	825W
Type of the Resistor	Tape wound resistor
Rated Dielectric withstand voltage(terminal to mounting clamp)	7000V
Insulation Resistance	≥100MΩ
Clearance (terminal to mounting Clamp)	35mm
Creepage (terminal to mounting Clamp)	35mm
Short time (1sec) maximum dissipated power	23Kw

Thermal Characteristics and Environment	
TCR -Temperature Coefficient of resistance	50ppm/°C
Operating Temperature (°C)- measured on the resistor surface and in the center of the resistor	450°C
Permissible temp Rise (Max. temperature rise on the surface of the resistor)	500°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:

HWG600	K	10R00	S
(1)	(2)	(3)	(4)
Series Name	Resistance Tolerance	Resistance	

(1)Type:HWG600 SERIES

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

(3)Resistance Value:1R00=1 Ω 、10R00=10 Ω 、100R00=100 Ω

(4)S=Standard brackets N=No brackets