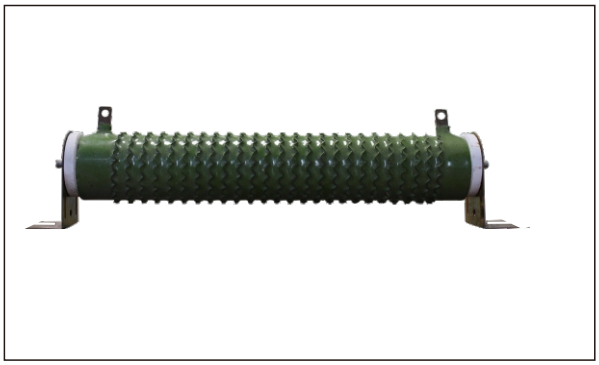
HWG 750 Heavy Duty Tape Wound Resistor



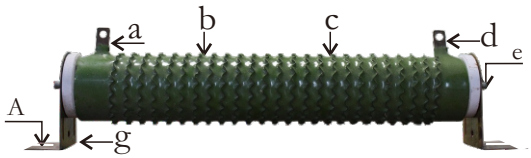
Features

Ⅰ Surface glazed, won't be easily pouuted 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 were -wound resistor. due to the increased heat dissipation provided by the corrugated tape.

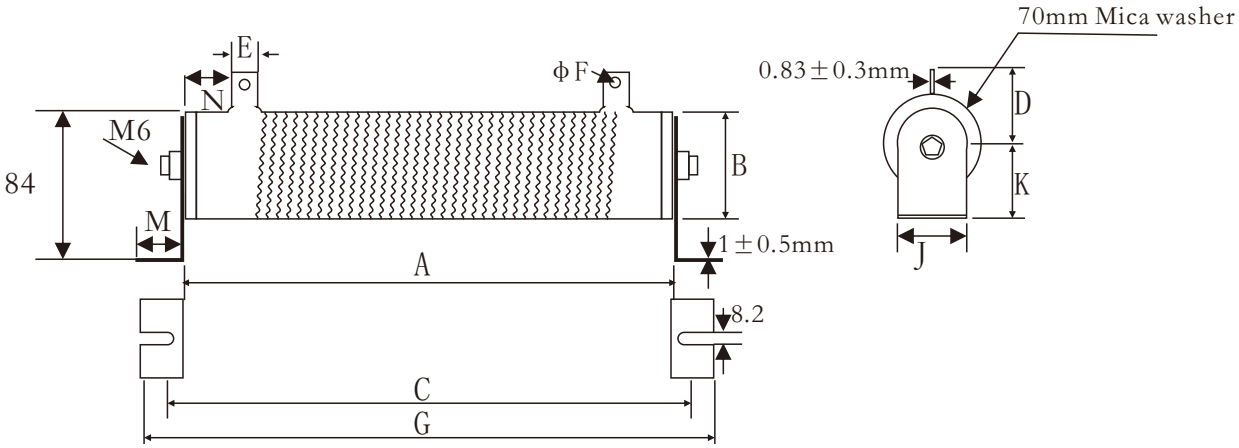
Ⅲ Mainly used for dynamic braking or where a pulse rated resistors is required

Construction



ad	Terminal block
b	Vtreous enamel
c	Alloy wire
e	Faston or serew fitting
g	Nickel iron plating support

Dimensions



Note:Mich or ceramic washers are filted st each end of the resistor

Type	Dimensions (mm)										
	A±3	C±3	G±3	B±2	M±2	D±2	K±2	N±2	J±2	φF±0.5	E±0.5
HWG750	362	386	414	56	21	45	59	15	50	6	10

Application note

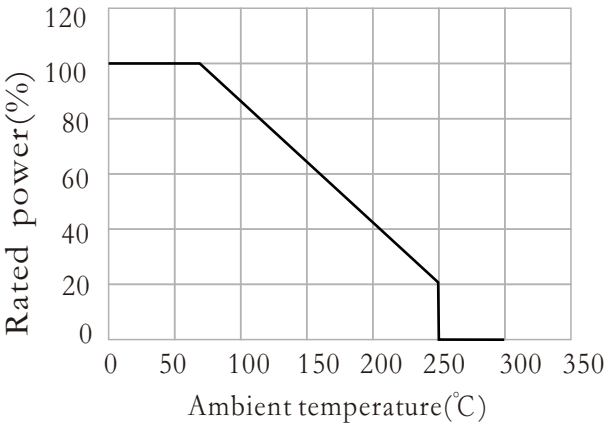
Ⅰ wire wounel resistor for short time application

Ⅱ mounting slot size

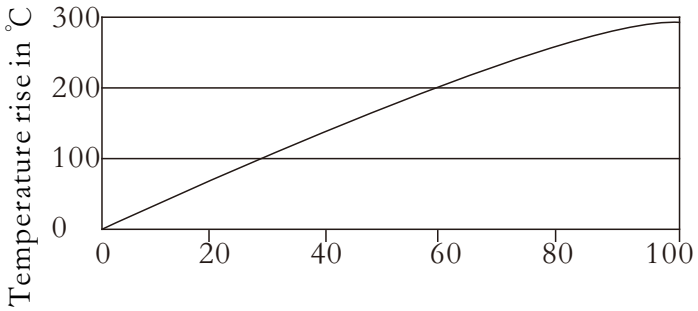
Ⅲ The enamel does occasionally crack around the terminal band, his does not affect performance, and is only an aesthetic issue.we will not accept rejections on this issue

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	±5%
Nominal dissipated power/Energy in the Resistor 4pcs series connection	15KJ in 4 sec(25R)
Power rating	750W@25℃
Nominal dissipated power in the resistor	750W
Type of the Resistor	Tape wound resistor
Rated Dielectric withstand voltage(terminal to mounting clamp)	7500V ac for 60sec
Insulation Resistance	⩾100MΩ
Clearance (terminal to mounting Clamp)	15mm
Creepage (terminal to mounting Clamp)	15mm
Short time maximum dissipated power/Energy 4pcs series connection	31KJ in 0.5sec (25R)

Thermal Characteristics and Environment	
TCR -Temperature Coefficient of resistance	250ppm/℃
Operating Temperature (℃)- measured on theresistor surface and in the center of the resistor	450℃
Permissible temp Rise (Max. temperature rise on the surface of the resistor)	500℃
Operating Temperature	-55℃ to 200℃
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:

HWG750	J	6R25	S
(1)	(2)	(3)	(4)
Series Name	Resistance Tolerance	Resistance	

(1)Type:HWG750 SERIES

(2)Tolerance: J=±5%

(3)Resistance Value:6R25=6.25Ω、10R00=10Ω、100R00=100Ω

(4)S=Standard brackets　N=No brackets