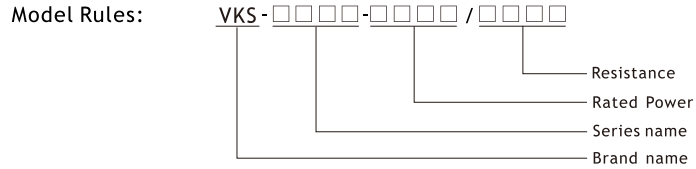


## Aluminum Housed Resistor

### Descriptions

Spiral wire wound based on ceramic tubes with aluminum enclosure.



### Product Features

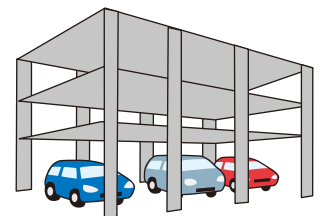
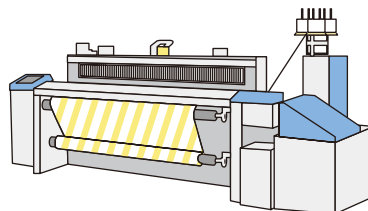
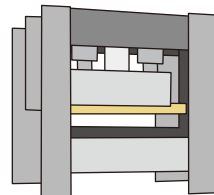
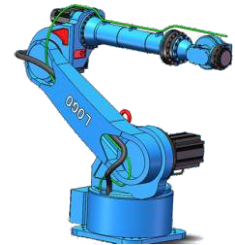
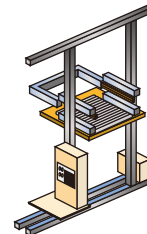
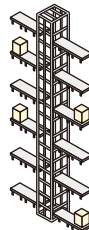
- Suitable for harsh environment;
- Aluminum enclosure with better protection ;
- Safer compared with open type wire wound resistor ;
- Long working life and high reliability ;
- Flexible for customize , can offer IP65 class protection ;
- High insulation class , use high Flame retardant inorganic material to assemble ;
- Excellent anti-vibration capability ;

### Material Specifications

Element	Copper-nickel,nickel-chrome
Core	OCr25AL5
Enclosure	Aluminum
Standard terminals	Copper / Copper bar
Partmarking	Partnumber, value, date code, MRC

### Applications:

- Dynamic braking
- Motor Control
- Load Banks
- VFD/VSD/Servo Motor
- Cranes ,Hoists & Winches
- Conveyors
- Lifts & elevators
- Industrial robot control
- CNC
- Packing machine
- Printing



## Technical Specifications

Power Range	60W~10KW
Voltage Range	<1.2KV
Resistance Range	1R~10KR
Dielectric Strength	AC 3KV 50Hz / 5S
IP Protection	IP 23 / IP 65
Vibration	1.5g
Temperature Coefficient	≤400ppm/°C
Production Standards	GB8898-2011

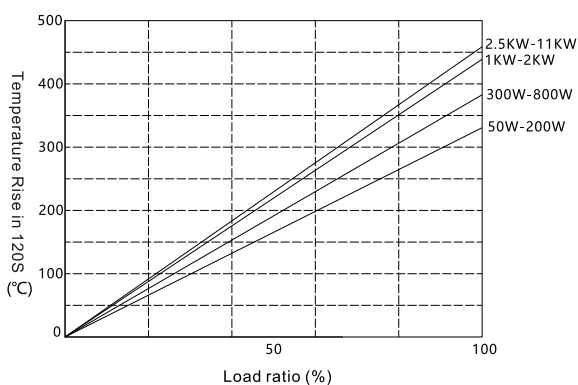
## Electrical Schematic



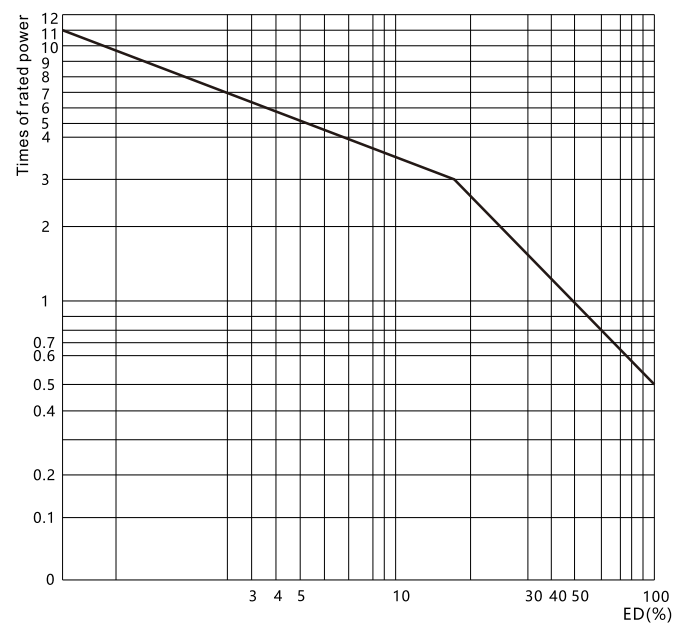
## Performance Test

Test Item	Test Condition	Performance
TCR	Test resistance changing rate per degree vary +30°C~+100°C	±400PPM/°C
Short time overload	With 10 times rated power or max working voltage(lower value) for 5s	$\Delta R \leq \pm (2\%R + 0.05\Omega)$
Sn-heat	In the sn-tin of 350 ± 10°C for 2~3s	$\Delta R \leq \pm (1\%R + 0.05\Omega)$
Solderability	In the Sn-tin of 245 ± 10°C for 2~3s	
Temperature cycle	Under the 5 cycles of the -55°C for 30 min, 125°C for 10~15 min, and the 25°C for 10~15 min	$\Delta R \leq \pm (1\%R + 0.05\Omega)$
Aging of Humidity	In the box of 40±2°C and 90-95% humidity, with rated voltage or Max Working Voltage(Lower Value), total time 1000 hours(ON-1.5H, OFF-0.5H)	$\Delta R \leq \pm (5\%R + 0.05\Omega)$
Aging at Rated power	In the 70±2°C test box, With the rated power or max working voltage(Lower value), total 1000hours(ON-1.5H, OFF-0.5H)	$\Delta R \leq \pm (5\%R + 0.05\Omega)$
Inflammability	With the 5/10 times rated power for 5S	No obvious flame

## Surface Temperature Rise

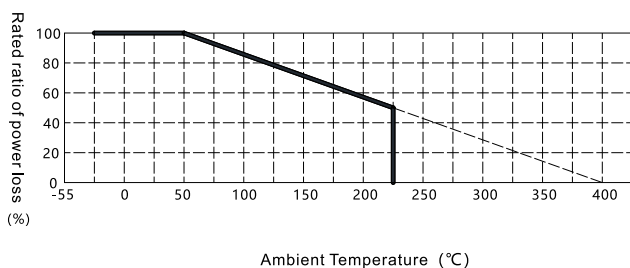


## Overload capability and ED



Brake in cycle, time cycle: maximum 120S.

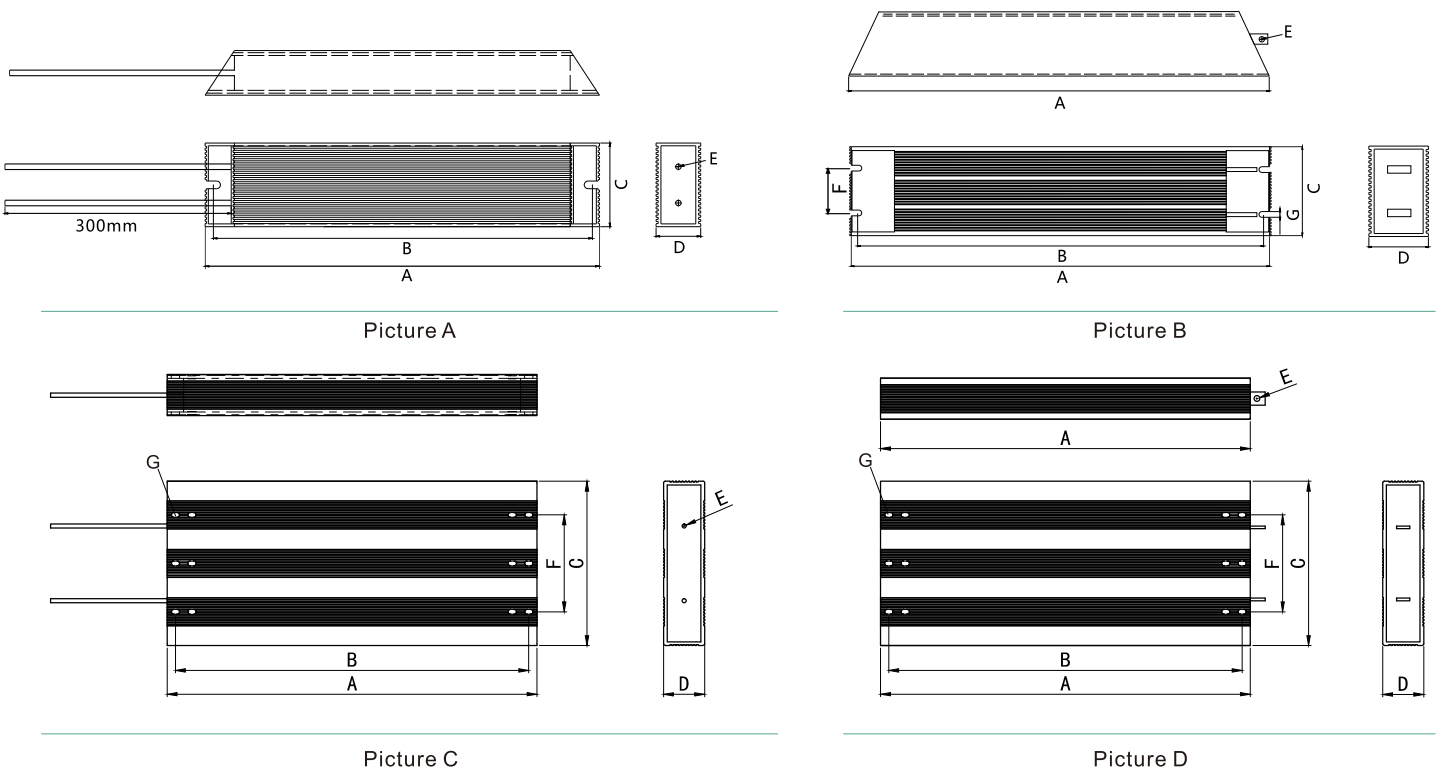
## Derating Curve



## Selection Table

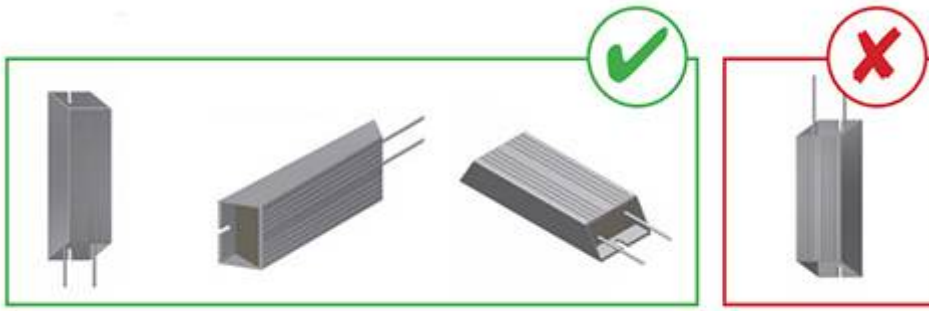
Type	Rated Power (w)	Picture NO.	Dimension(mm)							Lead length (mm)	Weight (KG)	Resistance Range (Ω)
			A	B	C	D	E	F	G			
RXLG	60	A	110	95	40	20	5	/	/	300	0.19	1Ω-1KΩ
RXLG	80		110	95	40	20	5	/	/	300	0.19	1Ω-1KΩ
RXLG	100		140	125	40	20	5	/	/	300	0.19	1Ω-1KΩ
RXLG	120		140	125	40	20	5	/	/	300	0.21	1Ω-10KΩ
RXLG	150		180	165	40	20	5	/	/	300	0.24	1Ω-10KΩ
RXLG	200		170	160	60	30	5	/	/	300	0.5	1Ω-10KΩ
RXLG	300		220	210	60	30	5	/	/	300	0.5	1Ω-10KΩ
RXLG	400		220	210	60	30	5	/	/	300	0.53	1Ω-10KΩ
RXLG	500		240	225	60	30	5	/	/	300	0.78	1Ω-10KΩ
RXLG	600		240	225	60	30	5	/	/	300	0.78	1Ω-10KΩ
RXLG	800		340	325	60	30	5	/	/	300	0.96	1Ω-10KΩ
RXLG	1000		400	390	60	30	5	/	/	300	1.35	5Ω-10KΩ
RXLG	1200		400	390	60	30	5	/	/	300	1.35	5Ω-10KΩ
RXLG	1500		B	400	390	85	55	5	30	5.5	300	3
RXLG	2000	400		390	85	55	5	30	5.5	300	3	5Ω-10KΩ
RXLG	2500	400		390	85	55	5	30	5.5	300	3	5Ω-10KΩ
RXLG	3000	450		440	85	55	5	30	5.5	300	4.2	5Ω-10KΩ
RXLG	3500	450		440	85	55	5	30	5.5	300	4.2	5Ω-10KΩ
RXLG	4000	550		540	85	55	5	30	5.5	300	5	5Ω-10KΩ
RXLG	5000	D	400	380	200	50	5	118	6×10	300	7.1	5Ω-10KΩ
RXLG	5500		400	380	200	50	5	118	6×10	300	7.1	5Ω-10KΩ
RXLG	6000		450	430	200	50	5	118	6×10	300	7.5	5Ω-10KΩ
RXLG	6500		450	430	200	50	5	118	6×10	300	7.5	5Ω-10KΩ
RXLG	7000		550	530	200	50	5	118	6×10	300	10.5	5Ω-10KΩ
RXLG	7500		550	530	200	50	5	118	6×10	300	10.5	5Ω-10KΩ
RXLG	8000		650	630	200	50	5	118	6×10	300	12.5	5Ω-10KΩ
RXLG	9000		650	630	200	50	5	118	6×10	300	12.5	5Ω-10KΩ
RXLG	10000		650	630	200	50	5	118	6×10	300	12.5	5Ω-10KΩ
RXLG	11000		650	630	200	50	5	118	6×10	300	12.5	5Ω-10KΩ

## Product Size



## Installation Guidance

- Check the outlook of the resistor , see if there any damage;
- Connect the terminals with Inverter DC bus line.



Acceptable Orientation

Warning: Do not mount unit with leads pointing upwards