

Ship-Shaped Aluminum Housed Wirewound Resistor

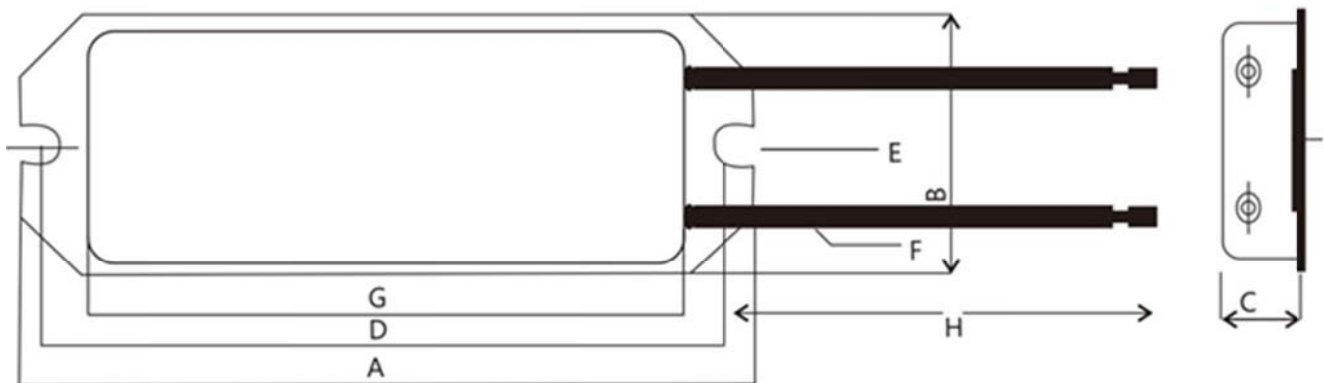


Construction :

- Insulation is applied through a high-temperature process.
- An aluminum encased consists of an alloy metal coil-type Resistance element assembled into an aluminum enclosure.
- After high-temperature anodization, the enclosure is filled with a special non-flammable cement paste and hardening.
- Since this component is embedded in the heat-proof cement, it is not affected by external mechanical force, and dusty environments.



Ship-Shaped Aluminum Housed Wirewound Resistor Dimension:



Power(W)	A±1.5	B±1.5	C±1.5	D±1.5	E±1.5	F	G±10	H±1.5	RANGE(Ω)
60W	100	30	13	90	6	1.0m m ²	80	300	1-10KΩ
80W-100W	130	43	20	115	6	1.0m m ²	100	300	1-10KΩ
120W-150W	160	36	20	140	6	1.5m m ²	120	300	1-10KΩ
200W	235	60	60	215	6.5	1.5m m ²	200	300	1-10KΩ

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Electrical and mechanical properties:

TEST ITEMS	SPECIFICATIONS	TEST METHODS
Resistance tolerance	$R \geq 1\Omega \pm 5\%$ $R < 1\Omega \pm 10\%$	JIS-C-5202-5.1
Resistance Temp. Coeff.	$R > 20\Omega, \pm 260 \text{ ppm}/^\circ\text{C}$ $R \leq 20\Omega, \pm 400 \text{ ppm}/^\circ\text{C}$	JIS-C-5202-5.2 -25°C~200°C
Rating load	Superficial temperature $\leq 375^\circ\text{C}$	JIS-C-5202 5.4 300×300× 3mm plate aluminium
Short Time Over load	No abnormality $\Delta R \leq \pm (2\%R + 0.05\Omega)$	JIS-C-5202-5.5 10 x Rated power 5 seconds
Insulation Resistance	No abnormality $R \geq 100M\Omega$	JIS-C-5202-5.6 500VDC
Dielectric withstanding voltage	No abnormality no destroying $\Delta R \leq \pm (0.1\%R + 0.05\Omega)$	JIS-C-5202-5.7 2500VDC 1 minute
Terminal Strength	No abnormal or Loosing	A static load of 100N in the direction of terminal for 30 seconds. JIS-C-5202 6.1.2(1)
Vibration Proof	No abnormal $\Delta R \leq \pm (0.1\%R + 0.05\Omega)$	JIS-C-5202-6.3 1.5m/m 10~50~10Hz/min X-Y-Z 2 hours each.
Heat tolerance	No colour changed and abnormality except terminal, sign clear	Where the device is heated to $350 \pm 5^\circ\text{C}$ with no load for 120 ± 5 minutes , accordance with JIS-C-5202 7.2
Thermal shock	No abnormality $\Delta R \leq \pm (2\%R + 0.05\Omega)$	Rating power for 30 minutes, 8-12 s expose to $-40 \pm 2^\circ\text{C}$ for 15 ± 5 minutes, constant temperature 2 hours. JIS-C-5202 7.3
Moisture resistance life	No damage Sign clear $\Delta R \leq \pm (3\%R + 0.05\Omega)$ Insulation resistance $R \geq 25M\Omega$	100V at $40 \pm 2^\circ\text{C}$ at relative humidity 90-95% for 1 hour, then cycled off for less than 0.5 hours , for 500+24 hours. JIS-C-5202 7.5
Load life	No damage Sign clear $\Delta R \leq \pm (5\%R + 0.05\Omega)$	300×300× 3mm plate aluminium, rating DC voltage at $20 \pm 7^\circ\text{C}$, 90 minutes on 30 minutes off, 500 +24 hours, JIS-C-5202 7.10

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Order Information:

L	-	KLS6	-	ASQ	-	60W	-	120R		J
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RoHS	Ship-Shaped	Power (W)	Resistance (Ω)		Tolerance (%)	
	Aluminum	60W	1R0	1 Ω	J	$\pm 5\%$
	Housed	100W	10R	10 Ω	K	$\pm 10\%$
	Wire	120W	100R	100 Ω		
	wound	150W	1K	1000 Ω		
	Resistors	200W				