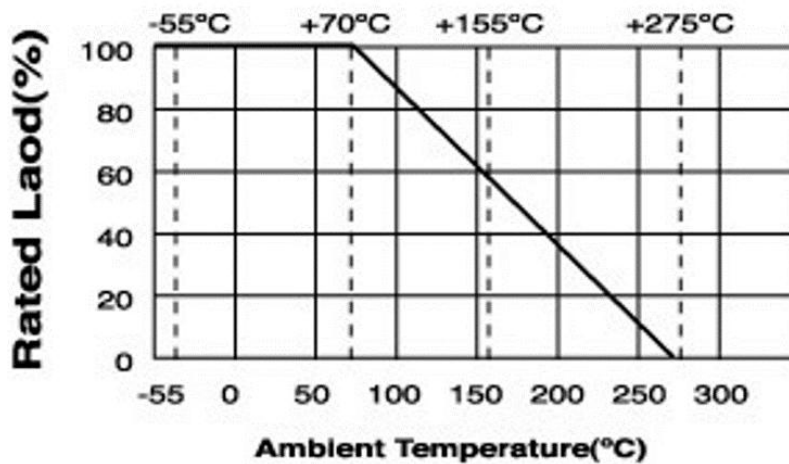


FEATURES

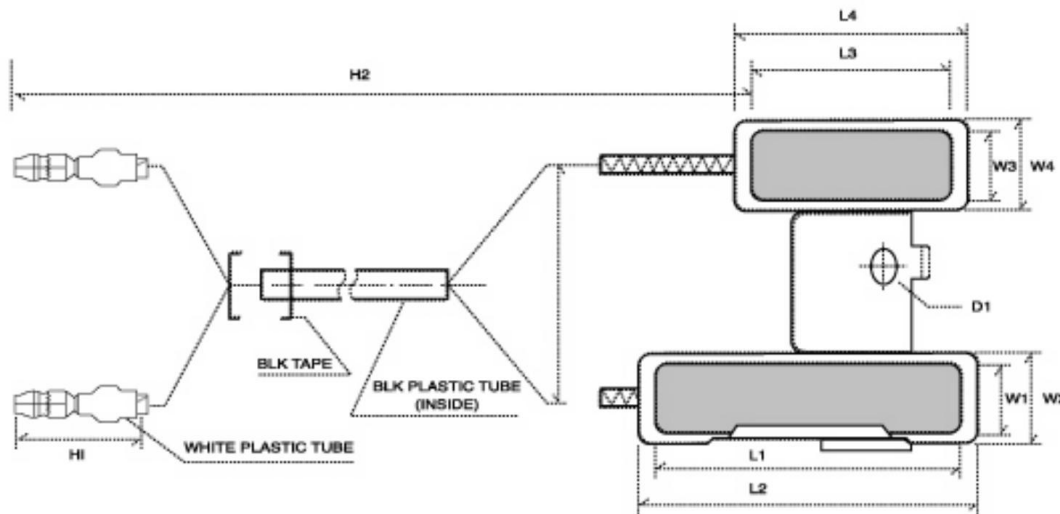
- Motor resistor can be installed in the carburetor of car or motorcycle as a heater
- Also can be a pseudo-load fitting for car or motorcycle lights.
- Resistors become very hot and must be mounted to metal or stainless steel and away from paint work, plastics and rubber.
- SQC also can be separated into two according to customer's needs
- Low power consumption, Small size and sturdy mechanically safe
- Easy to install and fit for most import and domestic vehicles



DERATING CURVE



RAW MATERIALS



TYPE	L ₁ ±0.5	L ₂ ±1	L ₃ ±0.5	L ₄ ±1	W ₁ ±0.5	W ₂ ±1	W ₃ ±0.5	W ₄ ±1	H ₁ MAX.	H ₂ +10-0	D ₁ +0.5-0
20W+5W	64	66	42	44	13	15	13	15	30	250	6.5
TYPE	L ₁ ±0.5	L ₂ ±1	L ₃ ±0.5	L ₄ ±1	W ₁ ±0.5	W ₂ ±1	W ₃ ±0.5	W ₄ ±1	H ₁ MAX.	H ₂ +10-0	D ₁ +0.5-0
30W+5W	75	77	42	44	14	16	13	15	30	250	6.5



PERFORMANCE SPECIFICATIONS

Characteristics	Test Methods	Limits															
Temperature coefficient JIS - C- 5202 5.2	Natural resistance change per temp. degree centigrade $\frac{R_2 - R_1}{R_1 (t_2 - t_1)} \times 10^6$ (PPM /°C) R ₁ : Resistance value at room temperature (t ₁) R ₂ : Resistance value at room temp. plus 100°C (t ₂)	±400PPM/°C															
Short - time overload JIS - C- 5202 5.5	Permanent resistance change after the application of a potential of 2.5 times RCWV or the Max. overload voltage respectively specified in the above list, whichever less for 5 seconds.	Resistance change rate is ±(5%+0.05Ω) Max. with no evidence of mechanical damage															
Dielectric withstanding voltage JIS - C - 5202 5.7	Resistors shall be clamped in the trough of a 90° metallic V-block and shall be tested at AC potential respectively for 60 + 10 / -0 seconds.	No evidence of flashover mechanical damage, arcing or insulation break down.															
Pulse Overload JIS - C- 5202 5.8	Resistance change after 10,000 cycles (1 second "on",25 seconds "off") at 4 times RCWV or the Max. pulse overload voltage.	Resistance change rate is ±(5%+0.05Ω) Max. with no evidence of mechanical damage															
Terminal Strength JIS - C- 5202 6.1	Direct Load: Resistance to a 2.5 kg. direct load for 10 seconds in the Direction of the longitudinal axis of the terminal flake.	No evidence of mechanical damage															
Temperature cycling JIS - C- 5202 7.4	Resistance change after continuous five cycles for duty cycle specified below: <table border="1"> <thead> <tr> <th>Step</th> <th>Temperature</th> <th>Time</th> </tr> </thead> <tbody> <tr> <td>1</td> <td>-55°C ± 3°C</td> <td>30 mins.</td> </tr> <tr> <td>2</td> <td>Room temp.</td> <td>10 – 15 mins.</td> </tr> <tr> <td>3</td> <td>+155°C ± 2°C</td> <td>30 mins.</td> </tr> <tr> <td>4</td> <td>Room temp.</td> <td>10 – 15 mins.</td> </tr> </tbody> </table>	Step	Temperature	Time	1	-55°C ± 3°C	30 mins.	2	Room temp.	10 – 15 mins.	3	+155°C ± 2°C	30 mins.	4	Room temp.	10 – 15 mins.	Resistance change rate is ±(5%+0.05Ω) No evidence of mechanical damage
Step	Temperature	Time															
1	-55°C ± 3°C	30 mins.															
2	Room temp.	10 – 15 mins.															
3	+155°C ± 2°C	30 mins.															
4	Room temp.	10 – 15 mins.															
Humidity JIS- C- 5202 7.5	Temporary resistance change after 240 hours exposure in a humidity test chamber controlled at 40°C ± 20°C and 90 to 95% relative humidity.	Resistance change rate is ±(5%+0.05Ω) No evidence of mechanical damage															



PERFORMANCE SPECIFICATIONS

Characteristics	Test Methods	Limits
Load life in humidity JIS-C-5202 7.9	Resistance change after 1,000 hours operating at RCWV with duty cycle of (1.5 hours "on", 0.5 hour "off") in a humidity test chamber controlled at 40°C ± 2°C and 90 to 95% relative humidity.	Resistance change rate is ±(10% + 0.05Ω) No evidence of mechanical damage
Load life JIS - C - 5202 7.10	Permanent resistance change after 1,000 hours operating at RCWV with duty cycle of (1.5 hours "on", 0.5 hour "off") at 70°C ± 2°C ambient.	Resistance change rate is ±(10% + 0.05Ω) No evidence of mechanical damage
Vibration Test	Frequency: 10~50 Hz Amplitude: 1.5 mm Vibrated for a period of 2 hours in XYZ three direction each other, total 6 hours.	Resistance change rate is ±(10% + 0.05Ω) No evidence of mechanical damage Step Temperature Time

*RCWV = Rated Continuous Working Voltage = Rated Power x Resistance Value

Note: Other resistance is available on request. WEET is capable of doing custom service for you.



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