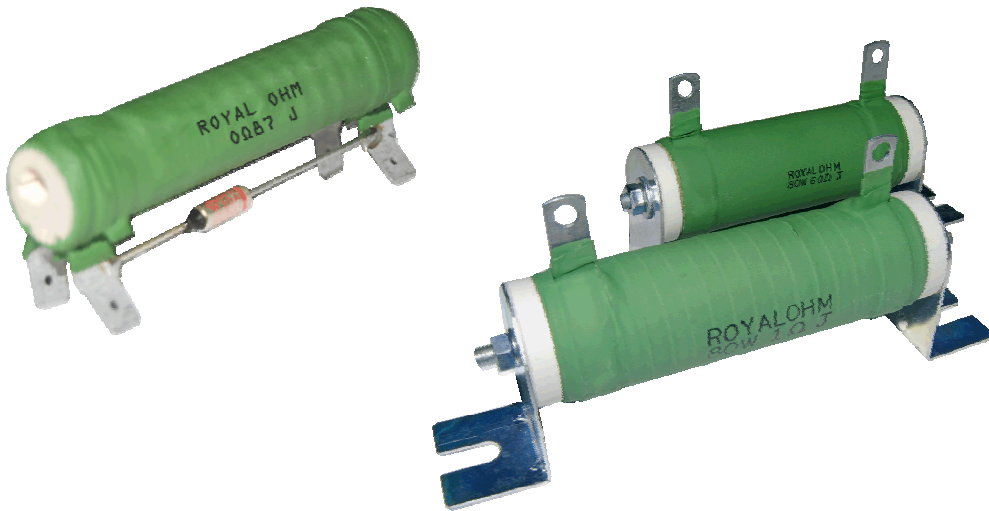


**UniOhm**

*u need it!*

**SUPERIOR QUALITY RESISTORS**

## **AUTOMOTIVE RESISTORS**



### **QL RESISTOR**

- Capable of carrying high power load
- Resistance value unchanged after long use, good resistivity to short time overload
- High resistance to heat, low temp. coefficient, and the change in resistance with temperature is linear
- Too low or too high ohm values can be supplied on a case to case basic

E-mail addresses:[localsales@uniohm.com](mailto:localsales@uniohm.com)

[globalsales@uniohm.com](mailto:globalsales@uniohm.com)

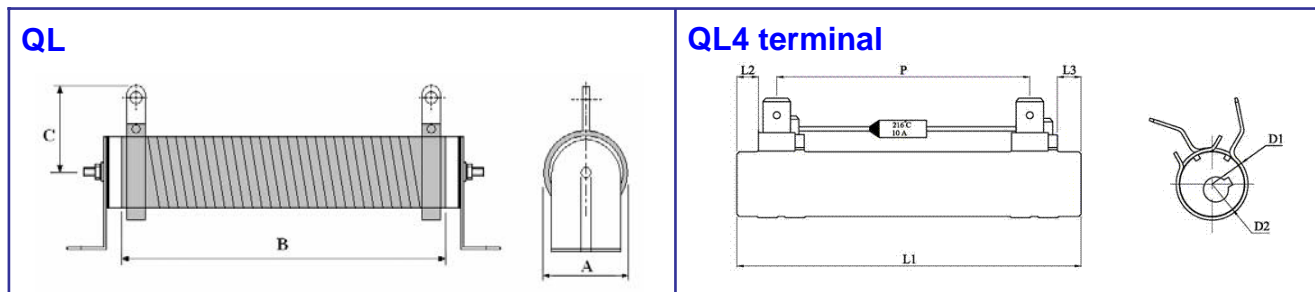
[www.uniohm.com](http://www.uniohm.com)

<http://www.BDTIC.com/UniOhm>

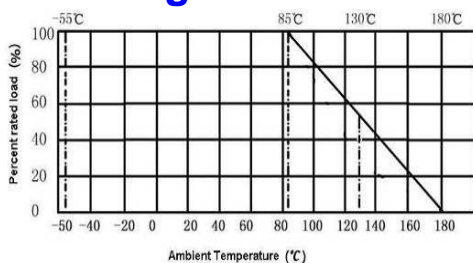
# AUTOMOTIVE RESISTORS

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We need it!

## Structure



## Derating Curve



- Operating temperature depend on thermal fuse temperature to be used
- High – Low value by different rating can support on case by case

Power	A±2	B±2	C±1	Resistance Range
QL20W	22	50	19	1Ω ~ 10kΩ
QL25W	22	60	19	2Ω ~ 12kΩ
QL30W	22	75	19	2Ω ~ 15kΩ
QL40W	22	90	19	2Ω ~ 20kΩ
QL50W	31	75	31	3Ω ~ 25kΩ
QL60W	31	90	31	3Ω ~ 30kΩ
QL80W	31	115	31	3Ω ~ 40kΩ
QL100W	31	140	31	3Ω ~ 50kΩ
QL120W	31	165	31	4Ω ~ 60kΩ
QL150W	31	195	31	4Ω ~ 70kΩ
QL200W	31	254	31	5Ω ~ 100kΩ
QL300W	43	254	33	8Ω ~ 150kΩ
QL400W	43	330	38	10Ω ~ 200kΩ
QL600W	43	420	38	10Ω ~ 200kΩ

Power	P±2	L1±2	L2±2	L3±2	D1±2	D2±2	Resistance Range
QL4 terminal	65	80	2	2	17	15	0.15Ω ~ 2kΩ

## Characteristic

Test Item	Standard
Resistance to soldering heat	±(1.0%+0.05Ω)Max , with no evidence of mechanical damage
Short time overload	±(2.0%+0.05Ω)Max, with no evidence of mechanical damage
Temperature cycling	±(2.0%+0.05Ω)Max

Test Item	Standard
Load Life in humidity	±(5.0%+0.1Ω) Max , with no evidence of mechanical damage
Load Life	±(5.0%+0.1Ω) Max , with no evidence of mechanical damage
Solderability	Min 95% coverage