

# RQM series

## Metal Clad Wire Wound Resistors for Automobile



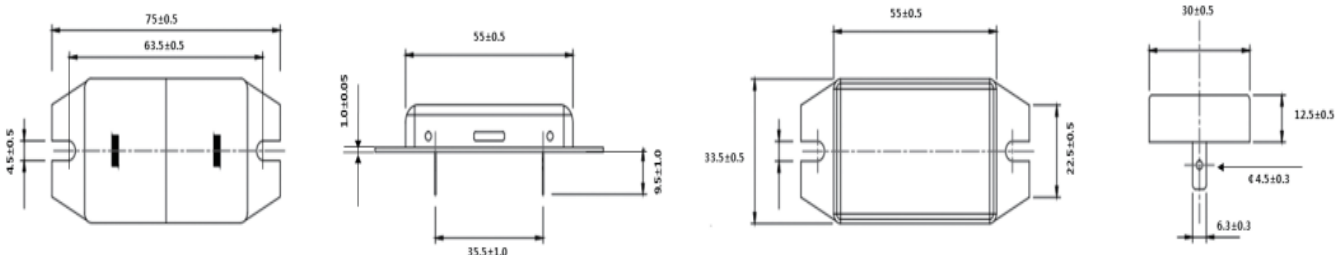
- Power Rating from 40W to 70W
- Resistance Range of 10Ω to 250Ω
- Tolerances of 0.5% 1 %, 5%, or 10%
- Compact Design
- All Materials are Fire Resistant
- High Thermal Conductivity And Very Good Thermal Insulation

**Automotive Grade  
AEC-Q200**

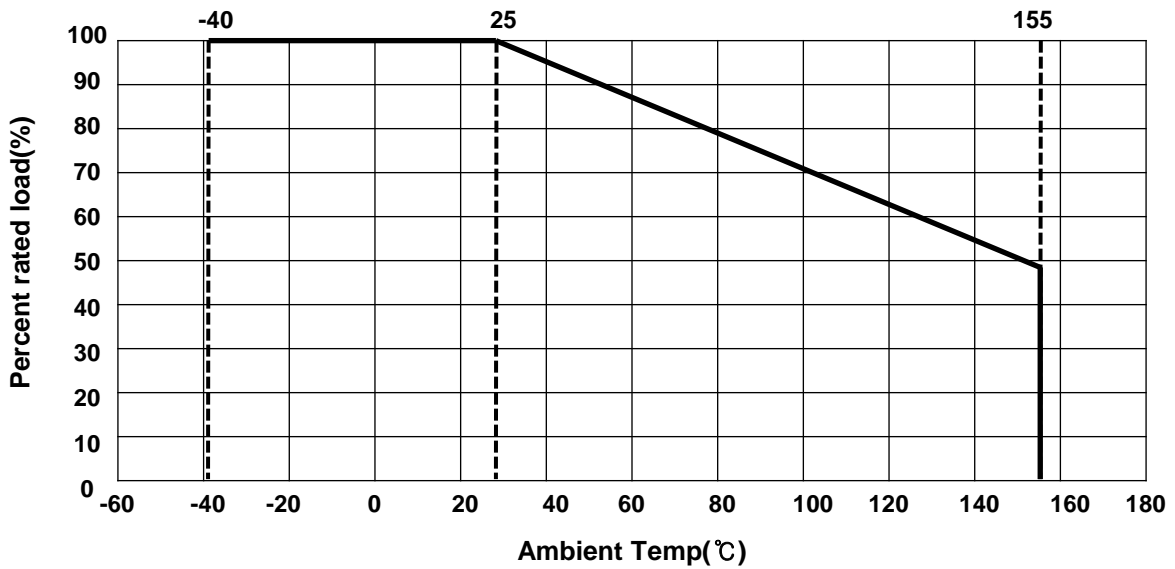
### ■ SPECIFICATIONS

ITEM	SPECIFICATION	
Temperature Range		- 55 ~ 150 °C
Resistance Range		10Ω ~ 250Ω
Power Rating		40W (W/O Heat Sink ) 70W (W/Heat Sink 300 x100 x3mm <sup>2</sup> )
TCR		Max ± 260ppm/°C
Operating Voltage		≥1,000V
Insulation Resistance		1MΩ
Dielectric Strength		2,500VAC
Short Time Overload	±(2%+0.05Ω)	10 x for 5sec
Moisture Resistance	±(3%+0.05Ω)	40 °C / RH95% 500 Hours, DC100V Case to Terminal
Mechanical Vibration	±(1%+0.05Ω)	100G ,6ms Half Sine, 3Time /Axis, Total 6Axis
Short Duration	±(2%+0.05Ω)	200ms.
Load Life	±(3%+0.05Ω)	200,000 cycles
Weight (g)		45±10

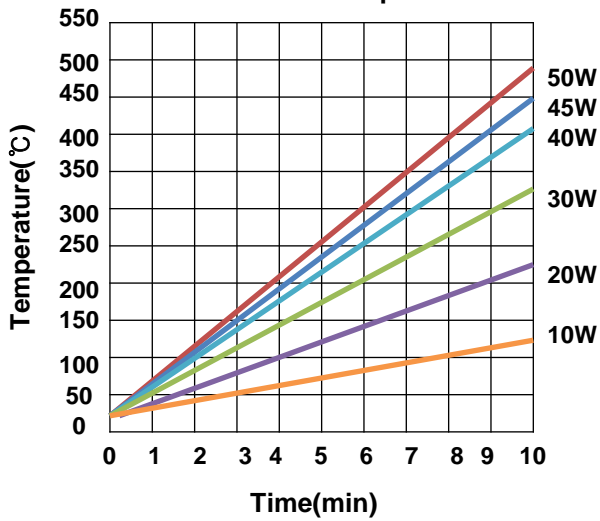
### ■ DIMENSIONS



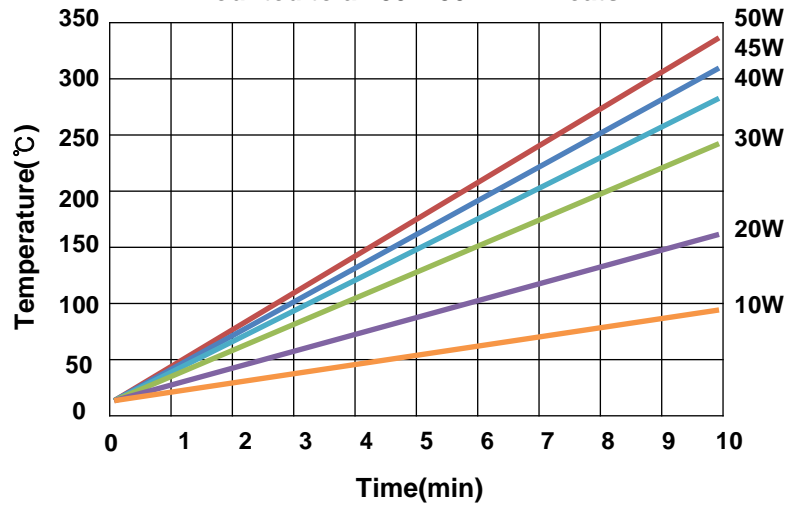
## ■ SURFACE TEMPERATURE INCREASE VERSUS POWER LOAD



Free Air Surface Temperature Rise



Surface Temperature Rise mounted to a 150x150x2mm heatsink



## ■ HOW TO ORDER

<b>RQ</b>	<b>M</b>	<b>40W</b>	<b>30Ω</b>	<b>J</b>
TYPE	STYLE	POWER RATING	NOMINAL RESISTANCE	RESISTANCE TOLERANCE

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