

RoHS  
Compliant



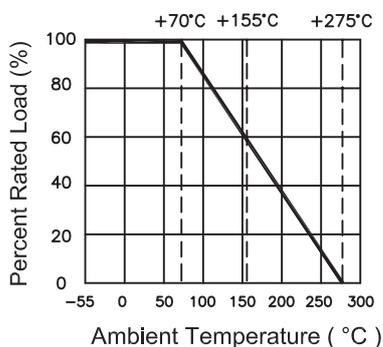
## Features

- Self extinguishing
- Excellent flame and moisture resistance
- Extremely small sturdy and mechanical safe
- Product Type: Wire-wound Resistor
- Power Rating: 7 Watts
- Resistance Tolerance:  $\pm 5\%$

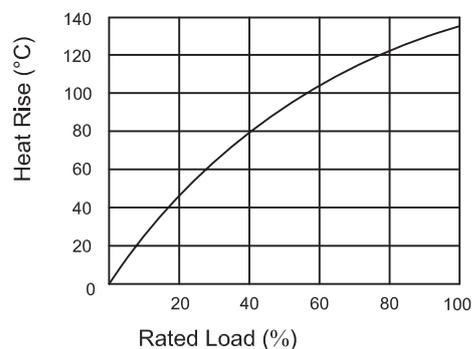
## Performance Specification

Temperature Coefficient	: $<20\Omega$ : $\pm 400\text{PPM}/^\circ\text{C}$ $\geq 20$ : $\pm 350\text{PPM}/^\circ\text{C}$
Short-time Overload	: $\Delta R/R \leq \pm(5\% + 0.05\Omega)$ , with no evidence of mechanical damage
Dielectric Withstanding Voltage	: No evidence of flashover, mechanical damage, arcing or insulation breakdown.
Terminal Strength	: No evidence of mechanical damage
Solderability	: Min. 95% coverage
Temperature Cycling	: $\Delta R/R \leq \pm(2\% + 0.05\Omega)$ , with no evidence of mechanical damage
Humidity (Steady State)	: $\Delta R/R \leq \pm(5\% + 0.05\Omega)$ , with no evidence of mechanical damage
Load Life in Humidity	: For Wire-wound range, the $\Delta R/R$ is $\pm 5\%$ For Power film range, $<100\text{k}\Omega$ , the $\Delta R/R$ is $\pm 5\%$ For Power film range, $\geq 100\text{k}\Omega$ , the $\Delta R/R$ is $\pm 10\%$
Load Life	: For Wire-wound range, the $\Delta R/R$ is $\pm 5\%$ For Power film range, $<100\text{k}\Omega$ , the $\Delta R/R$ is $\pm 5\%$ For Power film range, $\geq 100\text{k}\Omega$ , the $\Delta R/R$ is $\pm 10\%$
Resistance to Solderability Heat	: $\Delta R/R \pm(1\% + 0.05\Omega)$ with no evidence of mechanical damage.

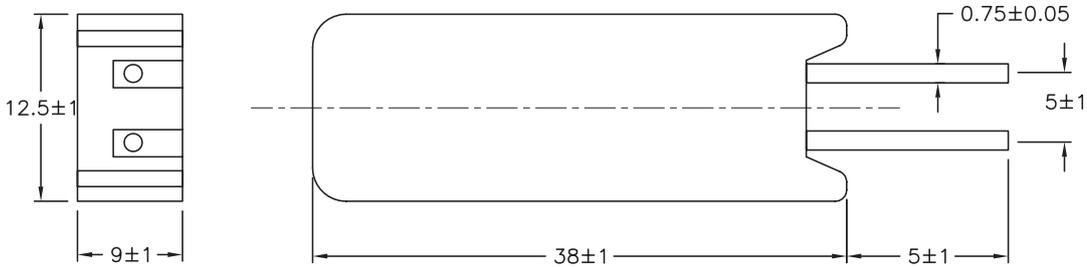
**Derating Curve**



**Heat Rise Chart**



## Diagram



Dimensions : Millimetres

## Part Number Table

Description	Resistance $\Omega$	Part Number
7 Watt, (Power Film) Cement Fixed Through Hole Resistor	1k	MCPRM07WJP102B00
	10k	MCPRM07WJP103B00
	100k	MCPRM07WJP104B00
	11k	MCPRM07WJP113B00
	120k	MCPRM07WJP124B00
	130k	MCPRM07WJP134B00
	150k	MCPRM07WJP154B00
	160k	MCPRM07WJP164B00
	180k	MCPRM07WJP184B00
	200k	MCPRM07WJP204B00
	3.3k	MCPRM07WJP332B00
	3.9k	MCPRM07WJP392B00
	4.7k	MCPRM07WJP472B00
	750	MCPRM07WJP751B00
	820	MCPRM07WJP821B00
	8.5k	MCPRM07WJP852B00
910	MCPRM07WJP911B00	

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