

RoHS  
Compliant



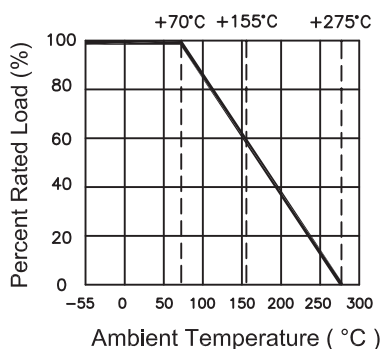
## Features

- Self extinguishing
- Excellent flame and moisture resistance
- Extremely small sturdy and mechanical safe
- Product Type: Wire-wound Resistor
- Power Rating: 3 Watts
- Resistance Tolerance:  $\pm 5\%$

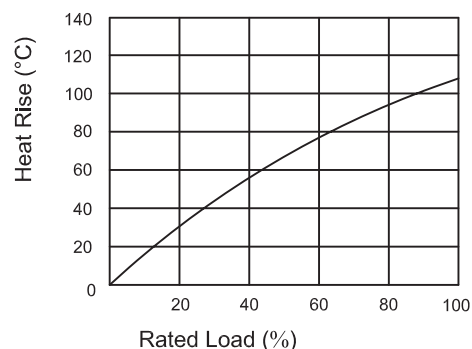
## Performance Specification

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
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
3 Watt, (Wire wound) Cement Fixed Through Hole Resistor	10	MCPRM03WJW100B00
	1	MCPRM03WJW10JB00
	15	MCPRM03WJW150B00
	1.5	MCPRM03WJW15JB00
	2.7	MCPRM03WJW27JB00
	3.9	MCPRM03WJW39JB00
	4.3	MCPRM03WJW43JB00
	4.7	MCPRM03WJW47JB00
	5.6	MCPRM03WJW56JB00
	0.56	MCPRM03WJW56KB00
	6.8	MCPRM03WJW68JB00
	0.68	MCPRM03WJW68KB00
	0.75	MCPRM03WJW75KB00
	0.82	MCPRM03WJW82KB00

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