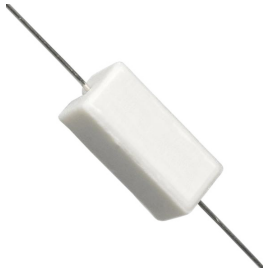


RoHS  
Compliant



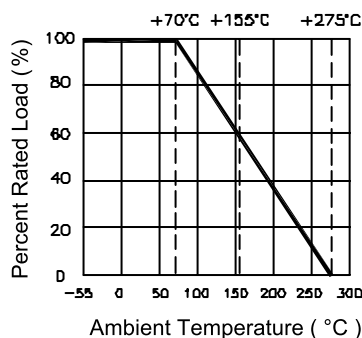
## Features

- Self extinguishing
- Excellent flame and moisture resistance
- Extremely small sturdy and mechanical safe
- Power Rating: 2 Watts

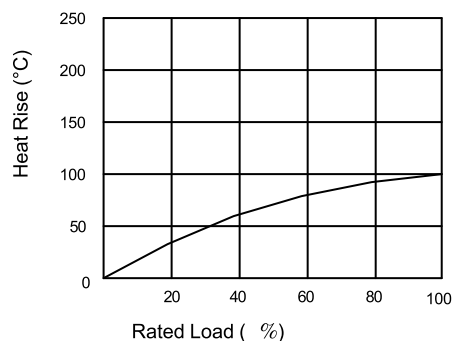
## Performance Specification

Temperature Coefficient	: <math><20\Omega: \pm 400\text{PPM}/^\circ\text{C}</math> : <math>\geq 20: \pm 350\text{PPM}/^\circ\text{C}</math>
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**



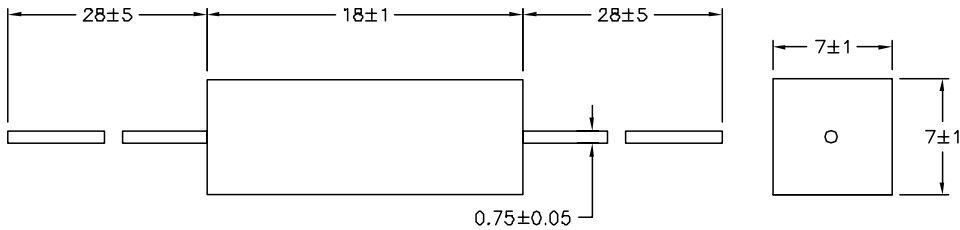
**Heat Rise Chart**



# 2 Watt Cement Fixed Resistors



## Diagram



Dimensions : Millimetres

## Part Number Table

Description	Resistor Type	Resistance $\Omega$	Part Number
2 watt Cement Fixed Resistors	Wire-wound	3.9	MCPRW02WKW39JB00
	Wire-wound	10	MCPRW02WKW100B00
	Wire-wound	15	MCPRW02WKW150B00
	Wire-wound	18	MCPRW02WKW180B00
	Wire-wound	22	MCPRW02WKW220B00
	Power film	27	MCPRW02WKP270B00
	Power film	33	MCPRW02WKP330B00
	Power film	47	MCPRW02WKP470B00
	Power film	68	MCPRW02WKP680B00
	Power film	82	MCPRW02WKP820B00
	Power film	100	MCPRW02WKP101B00
	Power film	120	MCPRW02WKP121B00
	Power film	220	MCPRW02WKP221B00
	Power film	270	MCPRW02WKP271B00
	Power film	330	MCPRW02WKP331B00
	Power film	470	MCPRW02WKP471B00
	Power film	560	MCPRW02WKP561B00
	Power film	1k	MCPRW02WKP102B00
	Power film	2.2k	MCPRW02WKP222B00
	Power film	2.7k	MCPRW02WKP272B00
Power film	3.3k	MCPRW02WKP332B00	
Power film	4.7k	MCPRW02WK472B00	
Power film	10k	MCPRW02WKP103B00	

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