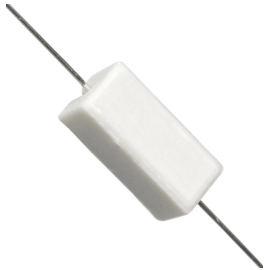


# 2 Watt Cement Fixed Resistors Wire-wound

**multicomp** PRO

**RoHS  
Compliant**



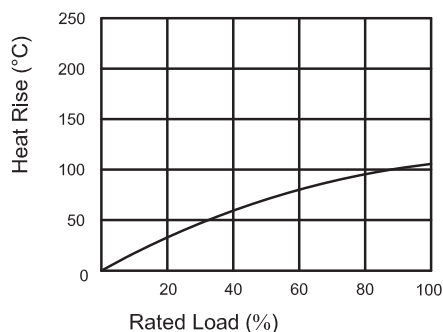
## Features

- Self extinguishing
- Excellent flame and moisture resistance
- Extremely small sturdy and mechanical safe
- Product Type: Wire-wound Resistor
- Power Rating: 2 Watts
- Resistance Tolerance:  $\pm 5\%$

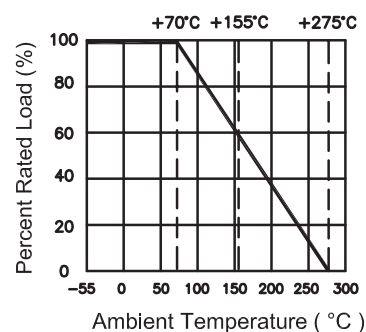
## Performance Specification

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.

**Heat Rise Chart**



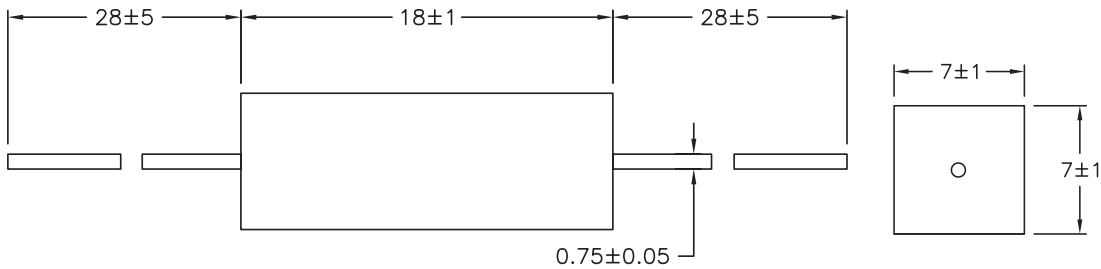
**Derating Curve**



# 2 Watt Cement Fixed Resistors Wire-wound



## Diagram



Dimensions : Millimetres

## Part Number Table

Description	Resistance Ω	Part Number
2 watt Cement Fixed Resistors Wire-wound	1	MCPRW02WJW10JB00
	0.1	MCPRW02WJW10KB00
	1.5	MCPRW02WJW15JB00
	20	MCPRW02WJW200B00
	2	MCPRW02WJW20JB00
	27	MCPRW02WJW270B00
	2.7	MCPRW02WJW27JB00
	3	MCPRW02WJW30JB00
	3.3	MCPRW02WJW33JB00
	4.3	MCPRW02WJW43JB00
	4.7	MCPRW02WJW47JB00
	5.6	MCPRW02WJW56JB00
	6.8	MCPRW02WJW68JB00
	7.5	MCPRW02WJW75JB00
	8.2	MCPRW02WJW82JB00
	0.82	MCPRW02WJW82KB00
27	MCPRW02WKW270B00	

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