

# Cement Fixed Resistors

## 2 Watts

**multicomp** PRO

**RoHS  
Compliant**



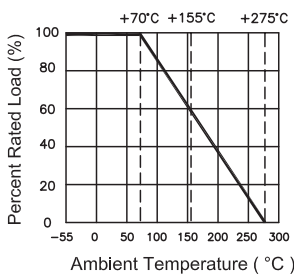
### Features

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

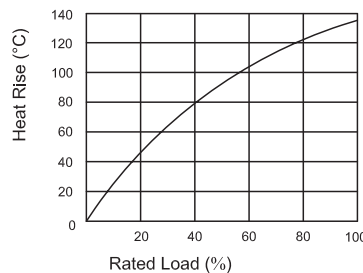
### Performance Specification

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.

**Derating Curve**



**Heat Rise Chart**



### Diagram



Dimensions : Millimetres

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 Farnell.com/multicomp-pro  
 Element14.com/multicomp-pro

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**Part Number Table**

Description	Resistance Ω	Part Number	Description	Resistance Ω	Part Number
Cement Fixed Resistor, 2 Watts	100	MCPRM02WJP101B00	Cement Fixed Resistor, 2 Watts	390	MCPRM02WJP391B00
	1k	MCPRM02WJP102B00		3.9k	MCPRM02WJP392B00
	10k	MCPRM02WJP103B00		43	MCPRM02WJP430B00
	150	MCPRM02WJP151B00		430	MCPRM02WJP431B00
	1.5k	MCPRM02WJP152B00		4.3k	MCPRM02WJP432B00
	15k	MCPRM02WJP153B00		47	MCPRM02WJP470B00
	200	MCPRM02WJP201B00		470	MCPRM02WJP471B00
	2k	MCPRM02WJP202B00		4.7k	MCPRM02WJP472B00
	20k	MCPRM02WJP203B00		56	MCPRM02WJP560B00
	24k	MCPRM02WJP243B00		560	MCPRM02WJP561B00
	25k	MCPRM02WJP253B00		5.6k	MCPRM02WJP562B00
	270	MCPRM02WJP271B00		68	MCPRM02WJP680B00
	2.7k	MCPRM02WJP272B00		680	MCPRM02WJP681B00
	30	MCPRM02WJP300B00		6.8k	MCPRM02WJP682B00
	300	MCPRM02WJP301B00		75	MCPRM02WJP750B00
	3k	MCPRM02WJP302B00		750	MCPRM02WJP751B00
	33	MCPRM02WJP330B00		7.5k	MCPRM02WJP752B00
	330	MCPRM02WJP331B00		820	MCPRM02WJP821B00
3.3k	MCPRM02WJP332B00	8.2k	MCPRM02WJP822B00		
33k	MCPRM02WJP333B00				

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