

Cement Fixed Resistors

3 Watts

multicomp PRO

**RoHS
Compliant**



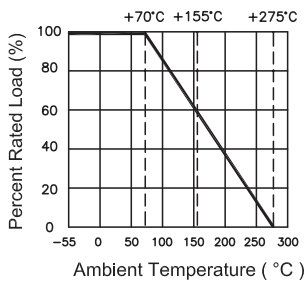
Features

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

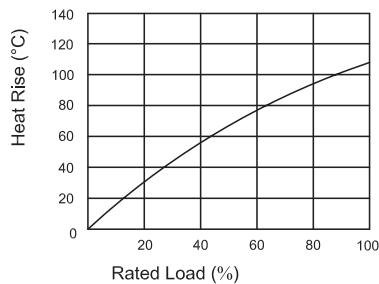
Performance Specification

Temperature Coefficient	: $<20\Omega$: $\pm 400\text{PPM}/^\circ\text{C}$ ≥ 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.

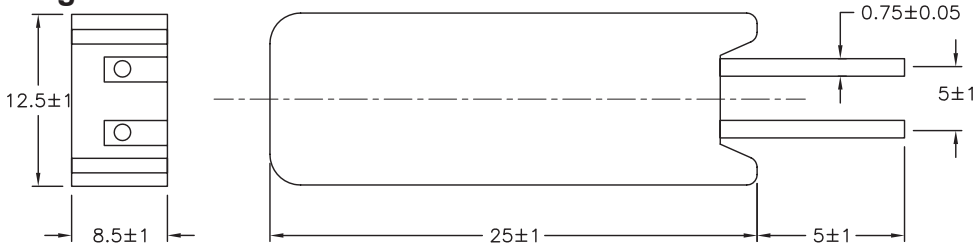
Derating Curve



Heat Rise Chart



Diagram



Dimensions : Millimetres

Newark.com/multicomp-pro
 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
3 Watts, (Power Film) Cement Fixed Resistor	100	MCPRM03WJP101B00	3 Watts, (Power Film) Cement Fixed Resistor	51k	MCPRM03WJP513B00
	1k	MCPRM03WJP102B00		56	MCPRM03WJP560B00
	10k	MCPRM03WJP103B00		560	MCPRM03WJP561B00
	150	MCPRM03WJP151B00		5.6k	MCPRM03WJP562B00
	1.5k	MCPRM03WJP152B00		56k	MCPRM03WJP563B00
	15k	MCPRM03WJP153B00		68	MCPRM03WJP680B00
	200	MCPRM03WJP201B00		680	MCPRM03WJP681B00
	20k	MCPRM03WJP203B00		6.8k	MCPRM03WJP682B00
	24k	MCPRM03WJP243B00		75	MCPRM03WJP750B00
	4.3k	MCPRM03WJP432B00		750	MCPRM03WJP751B00
	47	MCPRM03WJP470B00		7.5k	MCPRM03WJP752B00
	470	MCPRM03WJP471B00		82	MCPRM03WJP820B00
	4.7k	MCPRM03WJP472B00		820	MCPRM03WJP821B00
	47k	MCPRM03WJP473B00		8.2k	MCPRM03WJP822B00
	50k	MCPRM03WJP503B00			

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