

Cement Fixed Resistors

10 Watts

multicomp PRO

**RoHS
Compliant**



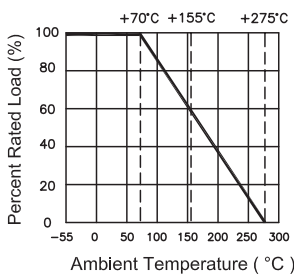
Features

- Self extinguishing
- Excellent flame and moisture resistance
- Extremely small sturdy and mechanical safe
- Product Type: Wire-wound Resistor
- Power Rating: 10 Watts
- Resistance Tolerance: $\pm 5\%$

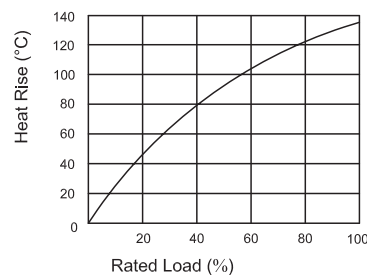
Performance Specification

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.

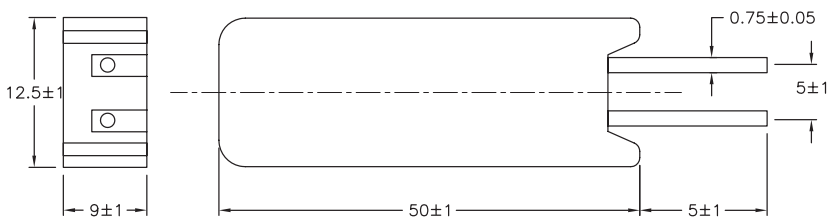
Derating Curve



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
10 Watt, (Power Film) Cement Fixed Through Hole Resistor	10	MCPRM0AWJW100B00
	100	MCPRM0AWJW101B00
	1	MCPRM0AWJW10JB00
	15	MCPRM0AWJW150B00
	150	MCPRM0AWJW151B00
	1.5	MCPRM0AWJW15JB00
	20	MCPRM0AWJW200B00
	200	MCPRM0AWJW201B00
	2	MCPRM0AWJW20JB00
	27	MCPRM0AWJW270B00
	270	MCPRM0AWJW271B00
	2.7	MCPRM0AWJW27JB00
	30	MCPRM0AWJW300B00
	300	MCPRM0AWJW301B00
	3	MCPRM0AWJW30JB00
	33	MCPRM0AWJW330B00
	330	MCPRM0AWJW331B00
	3.3	MCPRM0AWJW33JB00
	39	MCPRM0AWJW390B00
	390	MCPRM0AWJW391 B00
	3.9	MCPRM0AWJW39JB00
	4.3	MCPRM0AWJW43JB00
	4.7	MCPRM0AWJW47JB00
	5.6	MCPRM0AWJW56JB00
	6.8	MCPRM0AWJW68JB00
	0.68	MCPRM0AWJW68KB00
	7.5	MCPRM0AWJW75JB00
0.75	MCPRM0AWJW75KB00	
8.2	MCPRM0AWJW82JB00	
0.82	MCPRM0AWJW82KB00	

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