

Cement Fixed Resistors

2 Watts

multicomp PRO

**RoHS
Compliant**



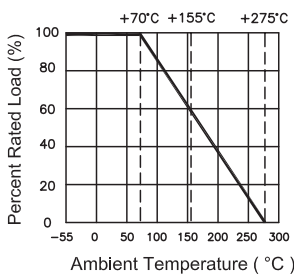
Features

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

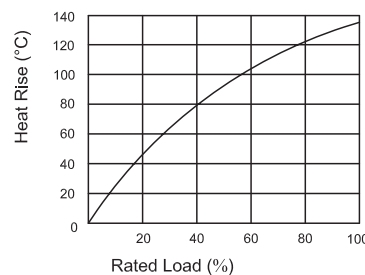
Performance Specification

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

multicomp PRO

Cement Fixed Resistors

2 Watts

Part Number Table

Description	Resistance Ω	Part Number	Description	Resistance Ω	Part Number
Cement Fixed Resistor, 2 Watts	10	MCPRM02WJW100800	Cement Fixed Resistor, 2 Watts	0.33	MCPRM02WJW33KB00
	1	MCPRM02WJW10JB00		3.9	MCPRM02WJW39JB00
	0.1	MCPRM02WJW10KB00		0.39	MCPRM02WJW39KB00
	15	MCPRM02WJW150B00		4.3	MCPRM02WJW43JB00
	1.5	MCPRM02WJW15JB00		0.43	MCPRM02WJW43KB00
	0.15	MCPRM02WJW15KB00		4.7	MCPRM02WJW47JB00
	20	MCPRM02WJW200B00		0.47	MCPRM02WJW47KB00
	2	MCPRM02WJW20JB00		5.6	MCPRM02WJW56JB00
	0.2	MCPRM02WJW20KB00		0.56	MCPRM02WJW56KB00
	27	MCPRM02WJW270B00		6.8	MCPRM02WJW68JB00
	2.7	MCPRM02WJW27JB00		0.68	MCPRM02WJW68KB00
	0.27	MCPRM02WJW27KB00		7.5	MCPRM02WJW75JB00
	3	MCPRM02WJW30JB00		0.75	MCPRM02WJW75KB00
	0.3	MCPRM02WJW30KB00		8.2	MCPRM02WJW82JB00
	3.3	MCPRM02WJW33JB00		0.82	MCPRM02WJW82KB00

Important Notice : This data sheet and its contents (the "Information") belong to the members of the AVNET group of companies (the "Group") or are licensed to it. No licence is granted for the use of it other than for information purposes in connection with the products to which it relates. No licence of any intellectual property rights is granted. The Information is subject to change without notice and replaces all data sheets previously supplied. The Information supplied is believed to be accurate but the Group assumes no responsibility for its accuracy or completeness, any error in or omission from it or for any use made of it. Users of this data sheet should check for themselves the Information and the suitability of the products for their purpose and not make any assumptions based on information included or omitted. Liability for loss or damage resulting from any reliance on the Information or use of it (including liability resulting from negligence or where the Group was aware of the possibility of such loss or damage arising) is excluded. This will not operate to limit or restrict the Group's liability for death or personal injury resulting from its negligence. Multicomp Pro is the registered trademark of Premier Farnell Limited 2019.