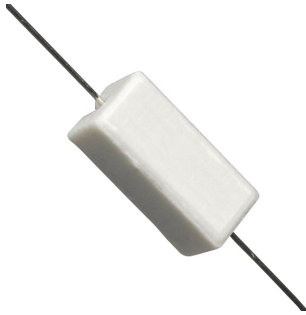


Cement Fixed Resistors

10 Watts

multicomp **PRO**

RoHS
Compliant



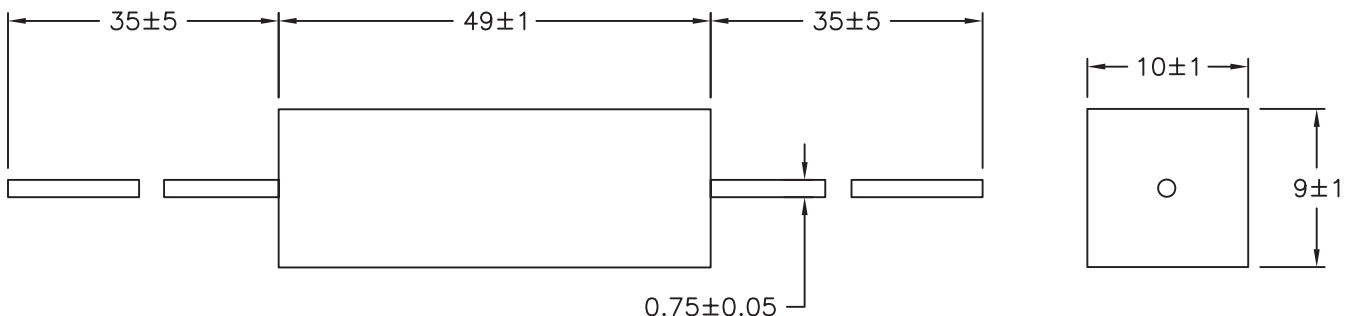
Features

- Self extinguishing
- Excellent flame and moisture resistance
- Extremely small sturdy and mechanical safe
- Product Type: Power Film Resistor
- Power Rating: 10 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

Diagram



Dimensions : Millimetres

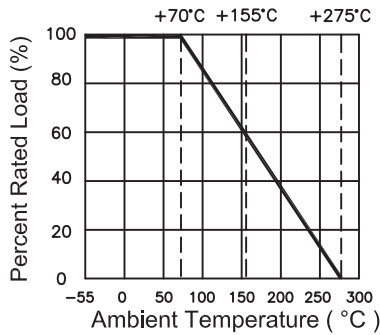
Newark.com/multicomp-pro
Farnell.com/multicomp-pro
Element14.com/multicomp-pro

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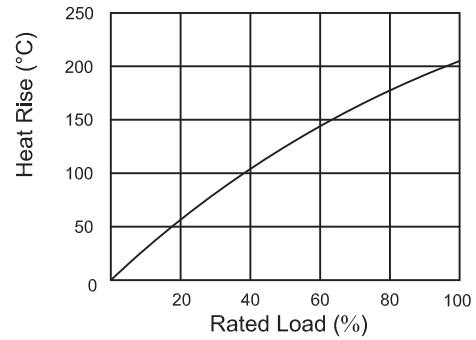
Cement Fixed Resistors

10 Watts

Derating Curve



Heat Rise Chart



Part Number Table

Description	Resistance Ω	Part Number
Cement Fixed Resistors, 10 Watts, $\pm 5\%$	1k	MCPRWAWJP102B00
	10k	MCPRWAWJP103B00
	100k	MCPRWAWJP104B00
	11k	MCPRWAWJP113B00
	120k	MCPRWAWJP124B00
	130k	MCPRWAWJP134B00
	150k	MCPRWAWJP154B00
	160k	MCPRWAWJP164B00
	180k	MCPRWAWJP184B00
	200k	MCPRWAWJP204B00
	3.3k	MCPRWAWJP332B00
	3.9k	MCPRWAWJP392B00
	4.7k	MCPRWAWJP472B00

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