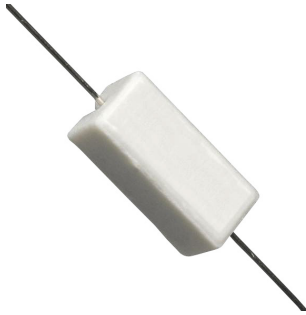


Cement Fixed Resistors

3 Watts

multicomp **PRO**

RoHS
Compliant



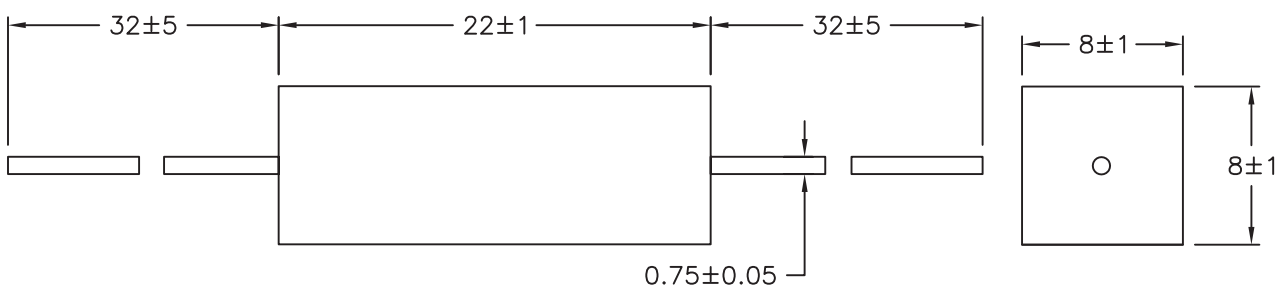
Features

- 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	: $<20\Omega : \pm 400\text{PPM}/^\circ\text{C}; \geq 20 : \pm 350\text{PPM}/^\circ\text{C}$
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

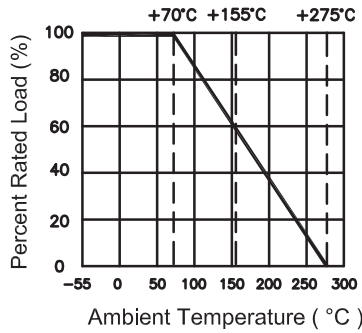


Dimensions : Millimetres

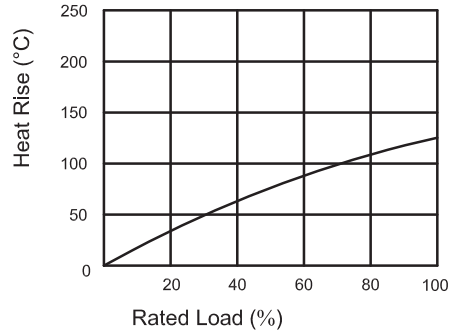
Cement Fixed Resistors

3 Watts

Derating Curve



Heat Rise Chart



Part Number Table

Description	Resistance Ω	Part Number
Cement Fixed Resistors, 3 Watts, $\pm 5\%$	100	MCPRW03WJP101B00
	1k	MCPRW03WJP102B00
	10k	MCPRW03WJP103B00
	150	MCPRW03WJP151B00
	1.5k	MCPRW03WJP152B00
	15k	MCPRW03WJP153B00
	200	MCPRW03WJP201B00
	2k	MCPRW03WJP202B00
	20k	MCPRW03WJP203B00
	24k	MCPRW03WJP243B00
	25k	MCPRW03WJP253B00
	270	MCPRW03WJP271B00
	51k	MCPRW03WJP513B00

Description	Resistance Ω	Part Number
Cement Fixed Resistors, 3 Watts, $\pm 5\%$	56	MCPRW03WJP560B00
	560	MCPRW03WJP561B00
	5.6k	MCPRW03WJP562B00
	56k	MCPRW03WJP563B00
	68	MCPRW03WJP680B00
	680	MCPRW03WJP681B00
	6.8k	MCPRW03WJP682B00
	75	MCPRW03WJP750B00
	750	MCPRW03WJP751B00
	7.5k	MCPRW03WJP752B00
	82	MCPRW03WJP820B00
	820	MCPRW03WJP821B00
	8.2k	MCPRW03WJP822B00

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