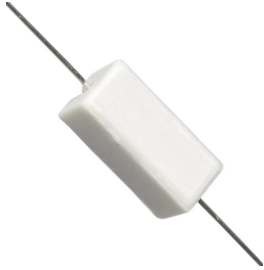


5 Watt Cement Fixed Resistors Wire-wound

multicomp PRO

**RoHS
Compliant**



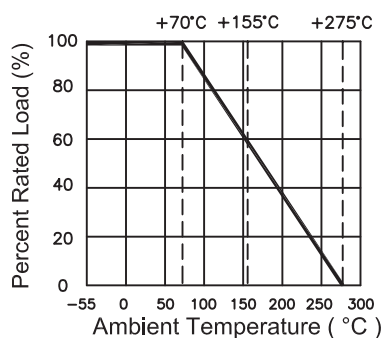
Features

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

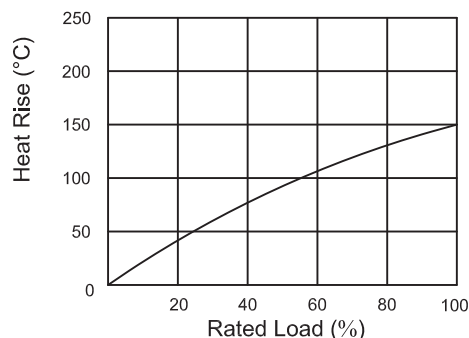
Performance Specification

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

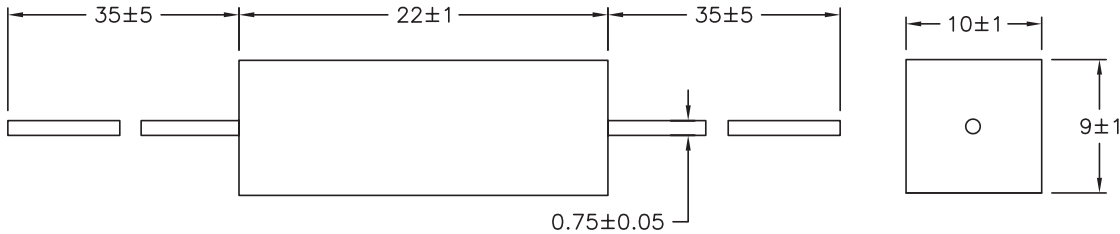


Heat Rise Chart



5 Watt Cement Fixed Resistors Wire-wound

Diagram



Dimensions : Millimetres

Part Number Table

Description	Resistance Ω	Part Number
5 watt Cement Fixed Resistors Wire-wound	10	MCPRW05WJW100B00
	1	MCPRW05WJW10JB00
	15	MCPRW05WJW150B00
	20	MCPRW05WJW200B00
	2	MCPRW05WJW20JB00
	27	MCPRW05WJW270B00
	30	MCPRW05WJW300B00
	3	MCPRW05WJW30JB00
	33	MCPRW05WJW330B00
	39	MCPRW05WJW390B00
	3.9	MCPRW05WJW39JB00
	43	MCPRW05WJW430B00
	47	MCPRW05WJW470B00
	4.7	MCPRW05WJW47JB00
6.8	MCPRW05WJW68JB00	

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