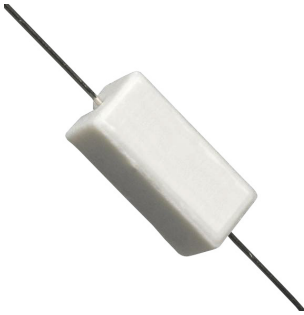


Cement Fixed Resistors

3 Watts

multicomp **PRO**

RoHS
Compliant



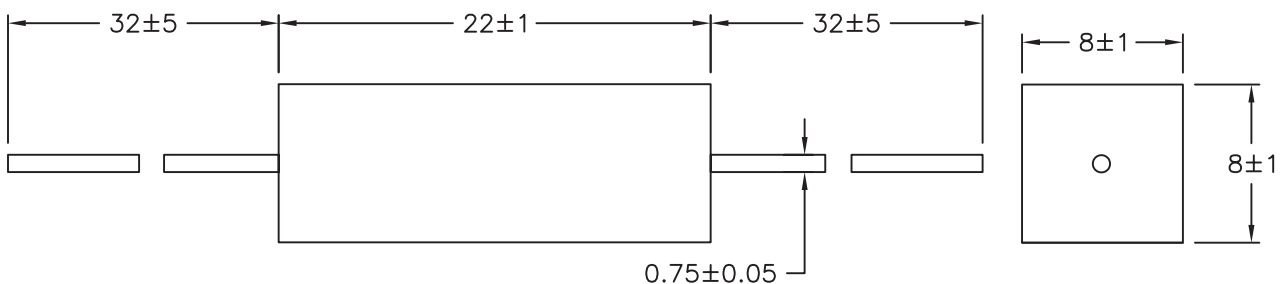
Features

- Self extinguishing
- Excellent flame and moisture resistance
- Extremely small sturdy and mechanical safe
- Product Type: Wire Wound 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

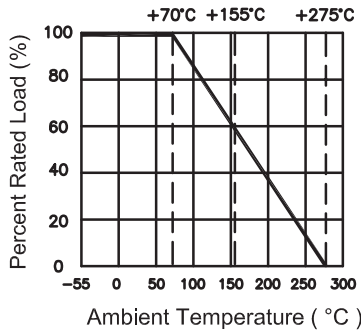


Dimensions : Millimetres

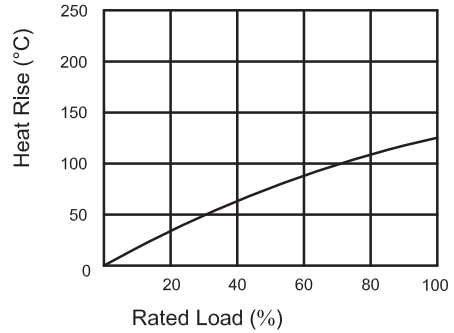
Cement Fixed Resistors

3 Watts

Derating Curve



Heat Rise Chart



Part Number Table

Description	Resistance Ω	Part Number
Cement Fixed Resistors, 3 Watts, $\pm 5\%$	10	MCPRW03WJW100B00
	1	MCPRW03WJW10JB00
	0.1	MCPRW03WJW10KB00
	15	MCPRW03WJW150B00
	1.5	MCPRW03WJW15JB00
	0.15	MCPRW03WJW15KB00
	20	MCPRW03WJV200B00
	2	MCPRW03WJV20JB00
	0.2	MCPRW03WJW20KB00
	27	MCPRW03WJV270B00
	2.7	MCPRW03WJV27JB00
	0.27	MCPRW03WJW27KB00
	30	MCPRW03WJW300B00
	0.3	MCPRW03WJW30KB00
	33	MCPRW03WJW330B00
	3.3	MCPRW03WJW33JB00

Description	Resistance Ω	Part Number
Cement Fixed Resistors, 3 Watts, $\pm 5\%$	0.33	MCPRW03WJW33KB00
	39	MCPRW03WJW390B00
	3.9	MCPRW03WJW39JB00
	0.39	MCPRW03WJW39KB00
	4.3	MCPRW03WJW43JB00
	0.43	MCPRW03WJW43KB00
	4.7	MCPRW03WJW47JB00
	0.47	MCPRW03WJW47KB00
	5.6	MCPRW03WJW56JB00
	0.56	MCPRW03WJW56KB00
	6.8	MCPRW03WJW68JB00
	0.68	MCPRW03WJW66KB00
	7.5	MCPRW03WJW75JB00
	0.75	MCPRW03WJW75KB00
8.2	MCPRW03WJW82JB00	
0.82	MCPRW03WJW82KB00	

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.