

# DATA SHEET

## Cement Fixed Resistor Type C 6x6x25mm 5Watt

### Serie: X42018

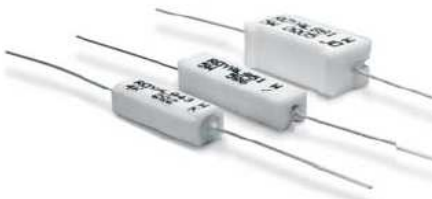
**Cement Fixed Resistor Type C  
6x6x25mm 5Watt**

Serie No.: **X42018**

Customer:

DRW:	Jason	CHKD	Wilson	MATL:	Wilson	TOLERANCE	Mason	DATE	23.10.2011
APPD:	Schumi			FINISH	Jamy		Sheet No.		1 from 6

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## Specifications

Temperature coefficient	<20Ω: ±400PPM/°C; ≥20Ω: ±350PPM/°C
Short time overload	. ± (5,0% + 0,05Ω) Max, with no evidence of mechanical damage.
Dielectric withstanding voltage	No evidence of flashover , mechanical damage, arcing or insulation breackdown.
Terminal strength	No evidence of mechanical damage.
Resistance to soldering heat	. ± (1,0% + 0,05Ω) Max, with no evidence of mechanical damage.
Solderability	Min. 95% coverage.
Temperature cycling	. ± (2,0% + 0,05Ω) Max, with no evidence of mechanical damage.
Load life in humidity	Wire Wound. ± (5,0% + 0,05Ω) Max.
	Power Film. <100KΩ ± (5,0% + 0,05Ω) Max.
	Power Film. ≥100KΩ ± (10,0% + 0,05Ω) Max.
	Wire Wound. ± (5,0% + 0,05Ω) Max.
Load life	Power Film. <100KΩ ± (5,0% + 0,05Ω) Max.
	Power Film. ≥100KΩ ± (10,0% + 0,05Ω) Max.

## Features

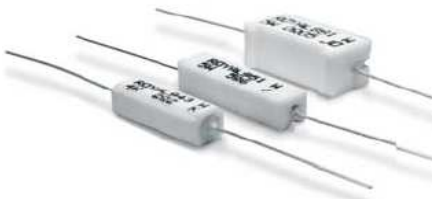
- Self extinguishing
- Excellent flame and moisture resistance
- Extremely small sturdy and mechanical safe
- Non-inductive types available for all Cement Resistors
- Too low or too high ohmic values on Wire wound & Power Film type can be supplied on a case by case basis.

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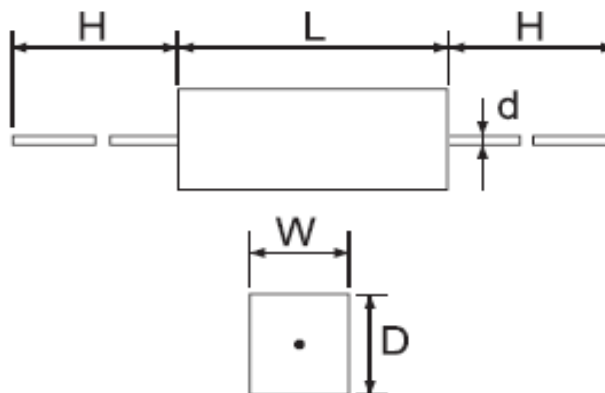
Part No.: **X42018**

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## Dimensions



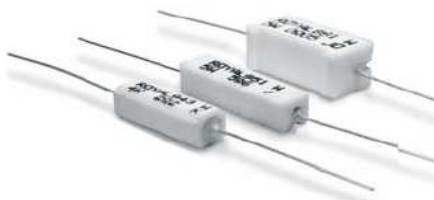
Power Rating at 70°C	Dimension (mm)					Resistange Range	
	W ± 1.0	D ± 1.0	L ± 1.0	d±0.05	H±5	Wire Wound	Power Film
5W	6	6	25	0,75	35	1Ω ~ 200Ω	201Ω ~ 100KΩ

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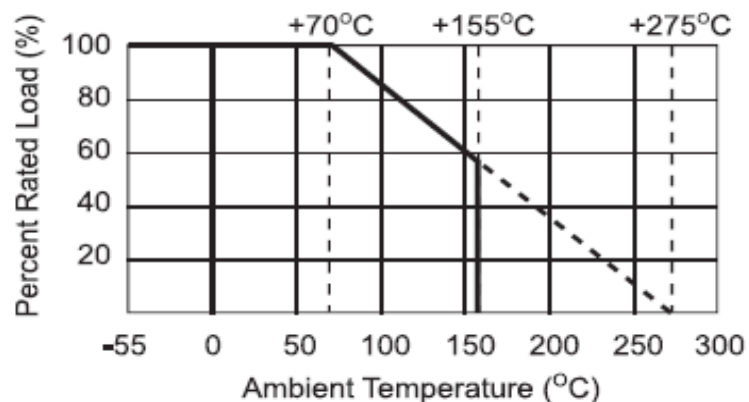
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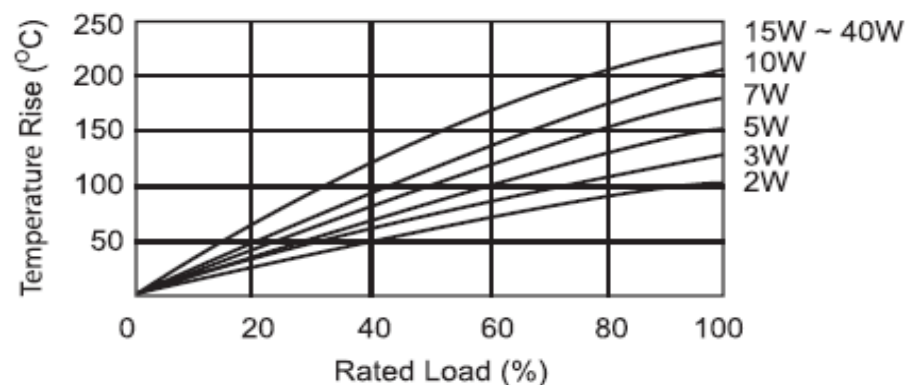
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**Derating Curve**



**Heat Rise Chart**



**Cement Fixed Resistor Type C  
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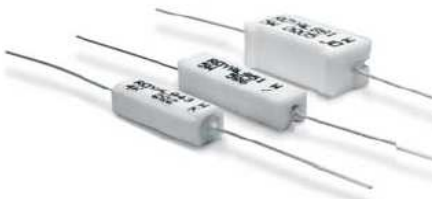
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[www.edcon-components.com](http://www.edcon-components.com)

email: [info@edcon-components.com](mailto:info@edcon-components.com)

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## Ordering Informations

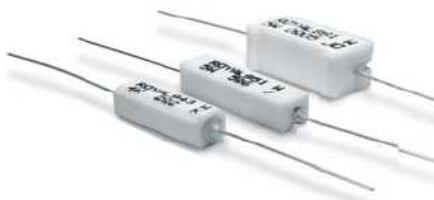
Serie	Range	Tolerance	Feature	Special function	ROHS	Packing Code
<b>X42018</b>	<b>104</b>	<b>K</b>	<b>S</b>	<b>00</b>	<b>R</b>	<b>BB</b>
	<b>104=</b> 100KΩ	<b>K=</b> 10% (Standard) <b>J=</b> 5%	<b>S=</b> Standard <b>I=</b> Non Inductive	<b>00=</b> no function	<b>R=</b> ROHS Conform <b>N=</b> NON ROHS Conform	<b>BB=</b> Bulk Ware Box

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Soldering Profile Curve

Classification Reflow Profile (JEDEC J-STD-020C)



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