

# DATA SHEET

## Cement Fixed Resistor Type B 8x8x22mm 3Watt

### Serie: X42011

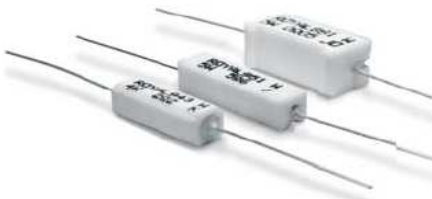
**Cement Fixed Resistor Type B  
8x8x22mm 3Watt**

Serie No.: **X42011**

Customer:

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

# EDCON-COMPONENTS



## 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.<br>Power Film. <100KΩ ± (5,0% + 0,05Ω) Max.<br>Power Film. ≥100KΩ ± (10,0% + 0,05Ω) Max. |
| Load life                       | Wire Wound. ± (5,0% + 0,05Ω) Max.<br>Power Film. <100KΩ ± (5,0% + 0,05Ω) Max.<br>Power Film. ≥100KΩ ± (10,0% + 0,05Ω) Max. |

## Features

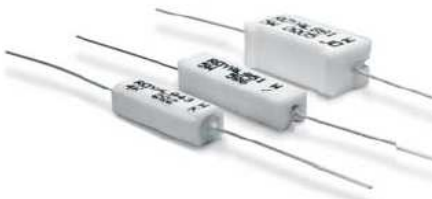
- Self extinguishing
- Excellent flame and moisture resistance
- Extremely small sturdy and mechanical safe
- Non-inductive types available for all Cement Resistors
- Too low or too high ohmic values on Wire wound & Power Film type can be supplied on a case by case basis.

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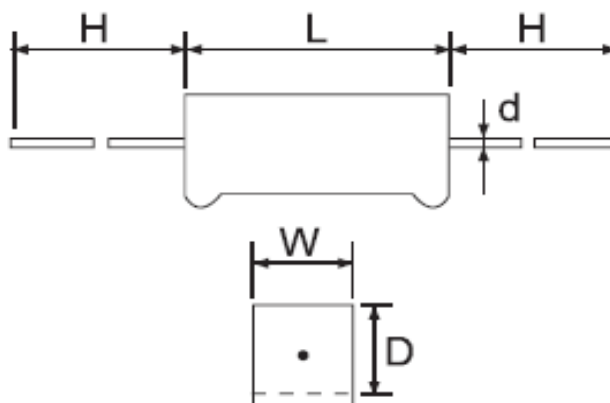
Part No.: **X42011**

|       |        |      |        |        |        |           |           |          |            |           |
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## Dimensions



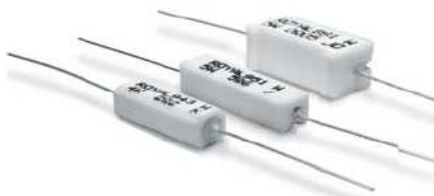
| Power Rating<br>at 70°C | Dimension (mm) |         |         |        |     | Resistange Range |            |
|-------------------------|----------------|---------|---------|--------|-----|------------------|------------|
|                         | W ± 1.0        | D ± 1.0 | L ± 1.0 | d±0.05 | H±5 | Wire Wound       | Power Film |
| 3W                      | 8              | 8       | 22      | 0,75   | 32  | 0,1Ω ~ 39Ω       | 40Ω ~ 56KΩ |

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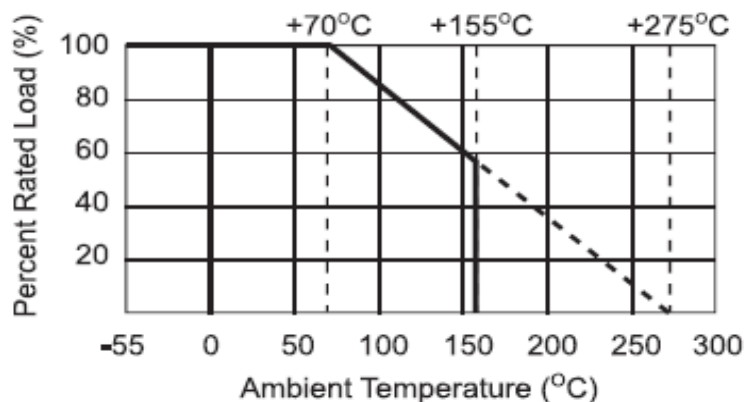
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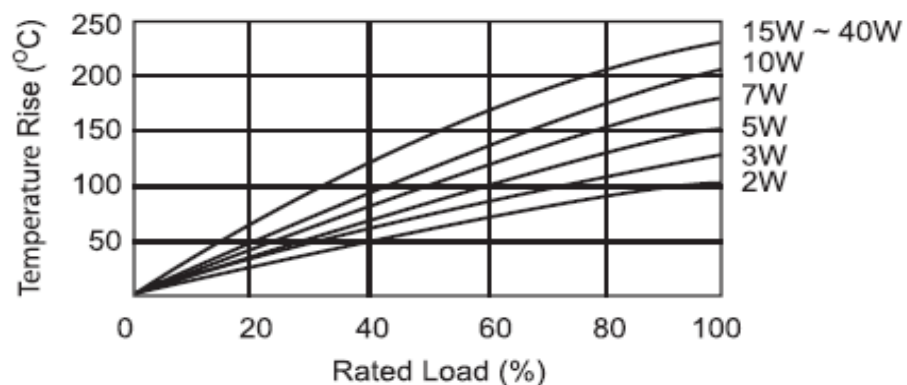
# EDCON-COMPONENTS



**Derating Curve**



**Heat Rise Chart**



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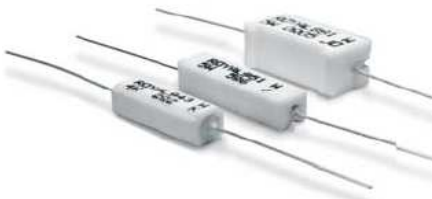
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[www.edcon-components.com](http://www.edcon-components.com)

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# EDCON-COMPONENTS



## Ordering Informations

| Serie         | Range            | Tolerance                                | Feature                                       | Special function       | ROHS   | Packing Code             |
|---------------|------------------|--|---|------------------------|--|--------------------------|
| <b>X42011</b> | <b>563</b>       | <b>K</b>                                 | <b>S</b>                                      | <b>00</b>              | <b>R</b>   | <b>BB</b>                |
|               | <b>563= 56KΩ</b> | <b>K= 10% (Standard)</b><br><b>J= 5%</b> | <b>S= Standard</b><br><b>I= Non Inductive</b> | <b>00= no function</b> | <b>R= ROHS Conform</b><br><b>N= NON ROHS Conform</b> | <b>BB= Bulk Ware Box</b> |

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



Soldering Profile Curve

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



|  |               |
|--|---------------|
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