



# DATA SHEET

## 5Watt Cement Resistor Radial Style

### Serie: X43014

**5Watt Cement Resistor Radial Style**

Serie No.: **X43014**

Customer:

|       |        |      |        |        |        |           |           |      |            |
|-------|--------|------|--------|--------|--------|-----------|-----------|------|------------|
| DRW:  | Jason  | CHKD | Wilson | MATL:  | Wilson | TOLERANCE | Mason     | DATE | 12.01.2011 |
| APPD: | Schumi |      |        | FINISH | Jamy   |           | Sheet No. |      | 1 from 5   |

# 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 breakdown.                           |
| 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.  |
| Humidity (Steady Style):        | ± (5,0% + 0,05Ω) Max., with no evidence of mechanical damage.  |
| Load Life in Humidity:          | Wire Wound ±(5% + 0,05) Max.<br>Power Film <100KΩ: ±(5,0% + 0,05) Max.<br>≥100KΩ: ±(10,0% + 0,05) Max. |
| Load Life                       | Wire Wound ±(5% + 0,05) Max.<br>Power Film <100KΩ: ±(5,0% + 0,05) Max.<br>≥100KΩ: ±(10,0% + 0,05) Max. |
| Max. Working Voltage:           | 500Volt  |
| Max. Overload Voltage:          | 1000Volt   |

**5Watt Cement Resistor Radial Style**

Part No.: **X43014**

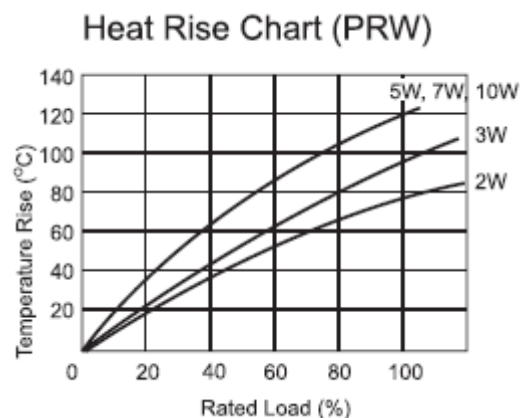
|       |        |      |        |        |        |           |           |          |            |
|-------|--------|------|--------|--------|--------|-----------|-----------|----------|------------|
| DRW:  | Jason  | CHKD | Wilson | MATL:  | Wilson | TOLERANCE | Mason     | DATE     | 12.01.2011 |
| APPD: | Schumi |      |        | FINISH | Jamy   |           | Sheet No. | 2 from 5 |            |

Customer:

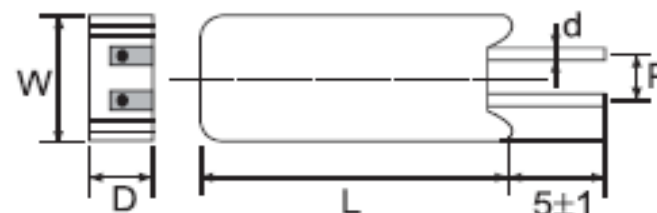
# EDCON-COMPONENTS



## Heat Rise Chart



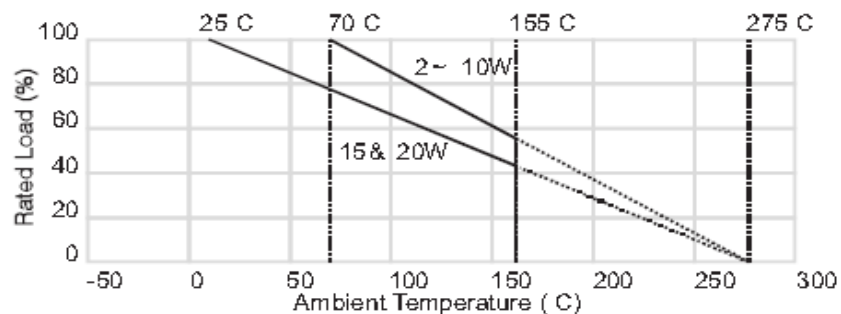
## Technical Drawing



## Dimensions

| Dimension (mm) |           |           |              |           | Resistance Range |
|----------------|-----------|-----------|--------------|-----------|------------------|
| $W \pm 1$      | $D \pm 1$ | $L \pm 1$ | $d \pm 0,05$ | $P \pm 1$ | Power Film       |
| 12,5           | 9         | 25        | 0,75         | 7,5       | 48Ω ~100KΩ       |

## Derating Curve



**5Watt Cement Resistor Radial Style**

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| APPD: | Schumi |      |        | FINISH | Jamy   |           | Sheet No. | 3 from 5 |            |           |

# EDCON-COMPONENTS



## Ordering Informations

| Serie | Range | Tolerance | Lead Style | Special | ROHS | Packing Code |  |  |  |  |
|-------|-------|-----------|------------|---------|------|--------------|--|--|--|--|
|-------|-------|-----------|------------|---------|------|--------------|--|--|--|--|

|               |            |          |           |          |          |           |  |  |  |  |
|---------------|------------|----------|-----------|----------|----------|-----------|--|--|--|--|
| <b>X43014</b> | <b>104</b> | <b>K</b> | <b>LL</b> | <b>S</b> | <b>R</b> | <b>BU</b> |  |  |  |  |
|---------------|------------|----------|-----------|----------|----------|-----------|--|--|--|--|

|  |                    |                                   |                            |                                  |                         |
|--|--------------------|-----------------------------------|----------------------------|----------------------------------|-------------------------|
| <b>104=</b> Range<br>100KΩ                 | <b>K=</b> Tol. 10% | <b>LL=</b> Long<br>Lead           | <b>S=</b> Standard         | <b>R=</b> ROHS<br>Conform        | <b>BU=</b> Bulk<br>Ware |
|  | <b>J=</b> Tol. 5%  | <b>XX=</b><br>Customer<br>Special | <b>I=</b> Non<br>Inductive | <b>N=</b> NON<br>ROHS<br>Conform | <b>BX=</b> Box<br>Ware  |
| Resistance<br>Range from<br>48Ω ~<br>100KΩ |                    |                                   |                            |                                  |                         |

|   |
|---|
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Soldering Profile Curve

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



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