



## R48003-090

### Features:

|   |
|---|
| Size Radial                                     |
| Lead Free and compliant with the European Union |
| Fast tripping resettable circuit protection     |
| Surface mount packaging for automated assembly  |

### Technical Specifications:

**I<sub>h</sub>**= Hold current maximum current device will pass without interruption in 25° C still air unless

**I<sub>T</sub>**= Trip current: minimum current that will switch the device from low resistance, Resistance in 25°C still unless otherwise specified.

**V<sub>max</sub>**= Maximum Voltage device can withstand without damage at rated current

**V<sub>max. Interrupt</sub>**= Maximum interrupt voltage device can withstand without damage at current

**I<sub>max</sub>**= Maximum fault current device can withstand without damage at rated voltage.

**Time-TO-TRIP**= Maximum Time to trip (s) at assigned current.

**P<sub>d typ</sub>**= Typical Power dissipation : typical amount of power dissipated by the device when in state air environment

**R<sub>min</sub>**= Minimum device resistance at 25°C prior to tripping

**R<sub>max</sub>**= Minimum device resistance at 25°C prior to tripping

**R<sub>1max</sub>**= The maximum resistance of the device at 25°C 1hour after being tripped or after reflow soldering:

### Thermal Derating chart-I H (A)

| Range | Maximum ambient operating temperature ( °C) |      |      |      |      |      |      |      |      |
|-------|---|------|------|------|------|------|------|------|------|
|       | -.40  | -.20 | 0    | 23   | 40   | 50   | 60   | 70   | 85   |
| 900mA | 1,52  | 1,30 | 1,15 | 0,90 | 0,73 | 0,65 | 0,55 | 0,47 | 0,33 |

### Approval:



**Radial POLY FUSE 60Volt**

Part No.: **R48003-090**

Customer:

|       |       |      |        |        |        |       |            |
|-------|-------|------|--------|--------|--------|-------|------------|
| DRW:  | Lexua | CHKD | Wilson | MATL:  | ChuChu | DATE  | 06.04.2009 |
| APPD: | Jimmy |      |        | FINISH | Josy   | Sheet | 1 from 3   |

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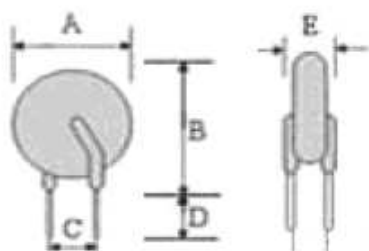


**Technical Drawing and Informations**

**Dimensions**

| A (mm) |              | B (mm) |              | C (mm) |             | D (mm) |             | E (mm) |                  |
|--------|--------------|--------|--------------|--------|-------------|--------|-------------|--------|------------------|
| Min.   | Max.         | Min.   | Max.         | Min.   | Max.        | Min.   | Max.        | Min.   | Max.             |
|        | <b>11,20</b> |        | <b>15,80</b> |        | <b>3,00</b> |        | <b>7,60</b> |        | <b>4,30 5,80</b> |

**Type 2**



**Performance Rating:**

| Range | ICH          | IT          | V max       | I m ax      | Pd typ      | Maximum Time to Trip |             | Resistance: |             |             |
|-------|--------------|-------------|-------------|-------------|-------------|----------------------|-------------|-------------|-------------|-------------|
|       | (A)          | (A)         | (V DC)      | (A)         | (W)         | Current (A)          | Time (Sec.) | Rmin (Ω)    | Rmax (Ω)    | R1max (Ω)   |
|       | <b>900mA</b> | <b>0,90</b> | <b>1,80</b> | <b>60,0</b> | <b>40,0</b> | <b>0,99</b>          | <b>4,50</b> | <b>7,2</b>  | <b>0,20</b> | <b>0,31</b> |

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| APPD: | Jimmy |      |        | FINISH | Josy   | Sheet | 2 from 3   |



**Soldering Information**

**Lead Solder Performance**



**Lead free Solder Performance**



**Ordering Informations:**

| Item-No. & Range | ROHS | Packing |
|------------------|------|---------|
|------------------|------|---------|

|                   |          |           |
|-------------------|----------|-----------|
| <b>R48003-090</b> | <b>R</b> | <b>BU</b> |
|-------------------|----------|-----------|

**090** = 900mA

**R**= ROHS

**BU**= Bulk / Standard

**N**= Non ROHS

**TR**= Tape / Reel

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| DRW:  | Lexua | CHKD | Wilson | MATL:  | ChuChu | DATE  | 06.04.2009 |
| APPD: | Jimmi |      |        | FINISH | Josi   | Sheet | 3 from 3   |