



## R47002-150

### Features:

|   |
|---|
| Size 1206                                       |
| 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 20° C still air unless

**I<sub>T</sub>**: Trip current: minimum current that will switch the device from low resistance, Resistance in 20°C still unless otherwise specified.

**I<sub>max</sub>**: Maximum current device can VMAXIMAX 100 vcycles --- NO arcing or burning.

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

**P<sub>d</sub>**: power dissipated from device when in the tripped state in 20°C still air unless otherwise specified.

**R<sub>min</sub>**: Minimum resistance of device as supplied at 20°C unless otherwise specified.

**R<sub>1</sub> max.** Maximum device resistance in the nonstripped state 1 hour post reflow.

### Approval:



|                      |             |
|----------------------|-------------|
| <b>SMT POLY FUSE</b> | <b>SIZE</b> |
|                      | <b>1206</b> |

|           |                   |
|-----------|-------------------|
| Part No.: | <b>R47002-150</b> |
|-----------|-------------------|

Customer:

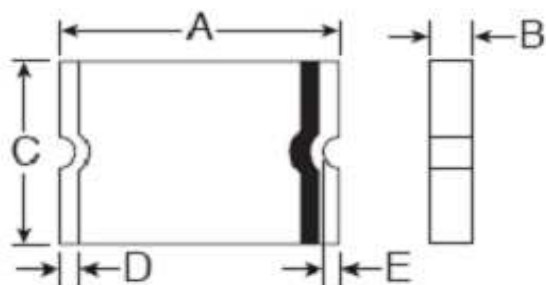
|       |       |      |        |        |        |       |            |
|-------|-------|------|--------|--------|--------|-------|------------|
| DRW:  | Lexua | CHKD | Wilson | MATL:  | ChuChu | DATE  | 06.04.2007 |
| APPD: | Jimmy |      |        | FINISH | Josy   | Sheet | 1 from 3   |

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## Technical Drawing and Informations

### Dimensions

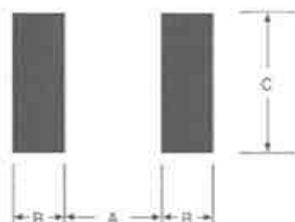


| A (mm) |      | B (mm) |      | C (mm) |      | D (mm) |      | E (mm) |      |
|--------|------|--------|------|--------|------|--------|------|--------|------|
| Min.   | Max. | Min.   | Max. | Min.   | Max. | Min.   | Max. | Min.   | Max. |
| 3,00   | 3,50 | 0,38   | 0,89 | 1,37   | 1,80 | 0,25   |      | 0,076  | --   |

### Performance Rating:

| Range         | ICH          | IT          | V max      | I max        | Pd typ     | Maximum Time to Trip |             | Resistance: |      |             |
|---------------|--------------|-------------|------------|--------------|------------|----------------------|-------------|-------------|------|-------------|
|               | (A)          | (A)         | (V DC)     | (A)          | (W)        | Current              | Time        | Rmin        | Rmax | R1max       |
|               | (A)          | (A)         | (V DC)     | (A)          | (W)        | (A)                  | (Sec.)      | (Ω)         | (Ω)  | (Ω)         |
| <b>1500mA</b> | <b>1,500</b> | <b>3,00</b> | <b>6,0</b> | <b>100,0</b> | <b>0,8</b> | <b>8,0</b>           | <b>0,30</b> | <b>0,04</b> |      | <b>0,11</b> |

### PAD Layout



| A (mm)      | B (mm)      | C (mm)      |
|-------------|-------------|-------------|
| <b>2,00</b> | <b>1,00</b> | <b>1,60</b> |

**SMT POLY FUSE SIZE 1206**

Part No.: **R47002-150**

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|       |       |      |        |        |        |       |            |
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| DRW:  | Lexua | CHKD | Wilson | MATL:  | ChuChu | DATE  | 06.04.2007 |
| APPD: | Jimmy |      |        | FINISH | Josy   | Sheet | 2 from 3   |

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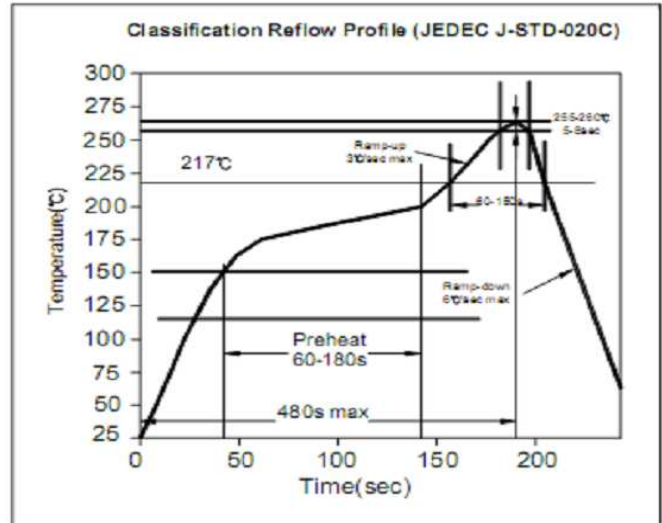


### Soldering Information

#### Lead Solder Performance



#### Lead free Solder Performance



### Ordering Informations:

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

|                   |          |           |
|-------------------|----------|-----------|
| <b>R47002-150</b> | <b>R</b> | <b>TR</b> |
|-------------------|----------|-----------|

**150 =**  
1500mA

|                       |  |
|-----------------------|--|
| <b>R=</b> ROHS        | <b>TR=</b> Tape /<br>Reel<br>Standard) |
| <b>N=</b> Non<br>ROHS |  |
| <b>BU=</b> Bulk       |  |

|                      |                   |
|----------------------|-------------------|
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| Customer:            |                   |

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|-------|-------|------|--------|--------|--------|-------|------------|
| DRW:  | Lexua | CHKD | Wilson | MATL:  | ChuChu | DATE  | 06.04.2007 |
| APPD: | Jimmi |      |        | FINISH | Josi   | Sheet | 3 from 3   |

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