



R47002-025

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_H Hold current maximum current device will pass without interruption in 20° C still air unless

I_T: Trip current: minimum current that will switch the device from low resistance, Resistance in 20°C still unless otherwise specified.

I_{max}: Maximum current device can VMAXIMAX 100 vcycles --- NO arcing or burning.

V_{max}: Maximum Voltage device can withstand without damage at rated current.

P_d: power dissipated from device when in the tripped state in 20°C still air unless otherwise specified.

R_{min}: Minimum resistance of device as supplied at 20°C unless otherwise specified.

R₁ max. Maximum device resistance in the nonstripped state 1 hour post reflow.

Thermal Derating chart-I H (A)

| Range | Maximum ambient operating temperature (°C) | | | | | | | | | | |
|-------|---|------|------|------|-----|------|------|------|------|------|------|
| | -.40 | -.20 | 0 | 20 | 25 | 40 | 50 | 60 | 70 | 80 | 85 |
| 250mA | 0,34 | 0,30 | 0,26 | 0,22 | 0,2 | 0,17 | 0,15 | 0,13 | 0,11 | 0,09 | 0,08 |

Approval:



SMT POLY FUSE SIZE 1206

Part No.: **R47002-025**

Customer:

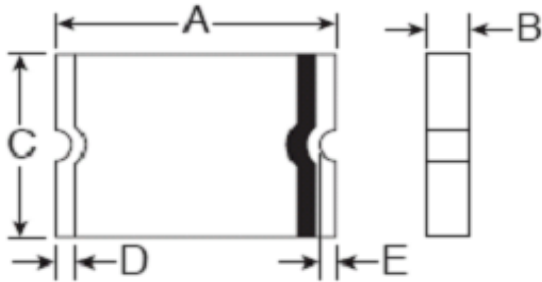
| | | | | | | | |
|-------|-------|------|--------|--------|--------|-------|------------|
| DRW: | Lexua | CHKD | Wilson | MATL: | ChuChu | DATE | 06.04.2007 |
| APPD: | Jimmy | | | FINISH | Josy | Sheet | 1 from 3 |

Copyright by EDCON-COMPONENTS H.Schmitt 11.6.2009



Technical Drawing and Informations

Dimensions

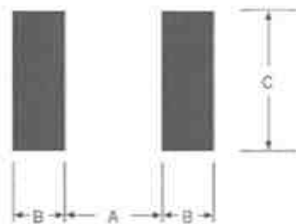


| A (mm) | | B (mm) | | C (mm) | | D (mm) | | E (mm) | |
|--------|------|--------|------|--------|------|--------|------|--------|------|
| Min. | Max. | Min. | Max. | Min. | Max. | Min. | Max. | Min. | Max. |
| 3,00 | 3,40 | 0,50 | 1,00 | 1,50 | 1,80 | 0,25 | 0,75 | 0,100 | 0,45 |

Performance Rating:

| Range | ICH | IT | V max | I m ax | 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) |
| 250mA | 0,250 | 0,50 | 16,0 | 100,0 | 0,6 | 8,0 | 0,80 | 0,55 | 1,40 | 2,30 |

PAD Layout



| A (mm) | B (mm) | C (mm) |
|--------|--------|--------|
| 2,00 | 1,00 | 1,60 |

SMT POLY FUSE SIZE 1206

Part No.: **R47002-025**

Customer:

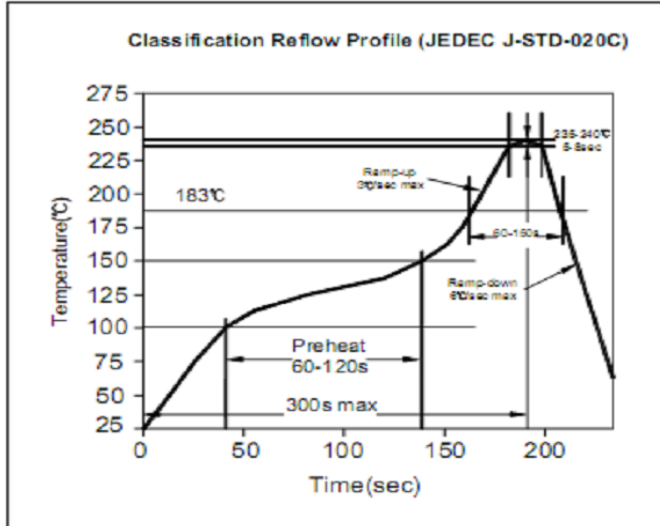
| | | | | | | | |
|-------|-------|------|--------|--------|--------|-------|------------|
| DRW: | Lexua | CHKD | Wilson | MATL: | ChuChu | DATE | 06.04.2007 |
| APPD: | Jimmy | | | FINISH | Josy | Sheet | 2 from 3 |

Copyright by EDCON-COMPONENTS H.Schmitt 11.6.2009

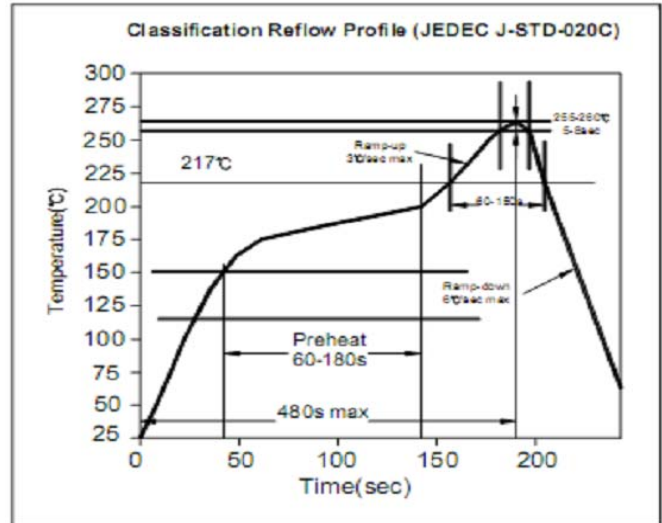


Soldering Information

Lead Solder Performance



Lead free Solder Performance



Ordering Informations:

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

| | | |
|-------------------|----------|-----------|
| R47002-025 | R | TR |
|-------------------|----------|-----------|

025 = 250mA

| | |
|--------------------|----------------------------------|
| R= ROHS | TR= Tape / Reel Standard) |
| N= Non ROHS | |
| BU= Bulk | |

SMT POLY FUSE SIZE 1206

Part No.: **R47002-025**

Customer:

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

Copyright by EDCON-COMPONENTS H.Schmitt 11.6.2009