

PPTC Thermistors



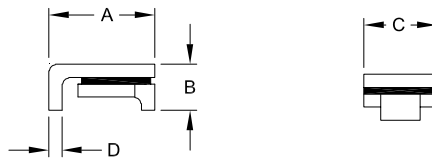
PL Series Low Voltage SMD Resettable Fuse

Typical Applications

- Computer Motherboards
- USB Hubs and Ports
- CD/DVD Drives
- General Electronics
- AC Adapter Input Power
- IEEE - 1394
- LNB (Low Noise Block)
- Signal - Data Communication

Features

- UL / CSA Approved
- TÜV Approved
- Surface Mount Devices



Product Dimensions (mm)

| Part Number | A Max | B Max | C Max | D Min |
|-----------------|----------|----------|----------|----------|
| PL4-301-600SM-B | 7.98 | 3.18 | 5.44 | 0.70 |
| PL4-501-600SM-B | 7.98 | 3.18 | 5.44 | 0.70 |
| PL4-751-600SM-B | 7.98 | 3.18 | 5.44 | 0.70 |
| PL4-112-330SM-B | 7.98 | 3.00 | 5.44 | 0.70 |
| PL4-122-240SM-B | 9.50 | 3.00 | 5.00 | 0.70 |
| PL4-132-330SM-B | 9.50 | 3.00 | 6.71 | 0.70 |
| PL4-152-330SM-B | 9.50 | 3.00 | 6.71 | 0.70 |
| PL4-182-150SM-B | 9.50 | 3.00 | 6.71 | 0.70 |
| PL4-202-150SM-B | 9.50 | 3.00 | 6.71 | 0.70 |
| PL4-252-150SM-B | 7.98 | 3.18 | 6.71 | 0.70 |
| PL4-262-6V0SM-B | 7.98 | 3.18 | 5.44 | 0.70 |
| PL4-302-6V0SM-B | 7.98 | 3.18 | 5.44 | 0.70 |

Part Number Code

PL 4 - 301 - 600 SM -B
1 2 3 4 5 6

- | | |
|---|--|
| 1. Series Code: PL Series | 4. Maximum Voltage (V): 2 significant digits + multiplier e.g.: 60V = 600 |
| 2. Body Type: 4 = Bare Rectangle | |
| 3. Hold Current (mA): 2 significant digits + multiplier e.g.: 0.3A = 300mA = 301 | 5. Leads: SM = SMD |
| | 6. Control Code |



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PPTC Thermistors - PL Series

Specifications

| Part Number | I_H | I_T | T_{TRIP} | | V_{MAX} | I_{MAX} | P_D (typ) | R_{MIN} | R_{1MAX} |
|-----------------|-------|-------|------------|---------|-----------|-----------|-------------|--------------|--------------|
| | (A) | (A) | Current(A) | Time(S) | (V) | (A) | (W) | (Ω) | (Ω) |
| PL4-301-600SM-B | 0.30 | 0.60 | 1.5 | 4.0 | 60 | 10 | 1.9 | 0.70 | 4.80 |
| PL4-501-600SM-B | 0.50 | 1.00 | 2.5 | 4.0 | 60 | 10 | 1.9 | 0.35 | 1.40 |
| PL4-751-600SM-B | 0.75 | 1.50 | 8.0 | 3.0 | 60 | 40 | 1.9 | 0.29 | 1.00 |
| PL4-112-330SM-B | 1.10 | 2.20 | 8.0 | 0.2 | 33 | 40 | 1.9 | 0.10 | 0.48 |
| PL4-122-240SM-B | 1.25 | 2.50 | 8.0 | 0.2 | 24 | 40 | 1.6 | 0.07 | 0.25 |
| PL4-132-330SM-B | 1.30 | 2.60 | 8.0 | 4.0 | 33 | 40 | 2.1 | 0.08 | 0.28 |
| PL4-152-330SM-B | 1.50 | 3.00 | 8.0 | 5.0 | 33 | 40 | 2.1 | 0.06 | 0.25 |
| PL4-182-150SM-B | 1.85 | 3.70 | 8.0 | 5.0 | 15 | 40 | 2.1 | 0.045 | 0.165 |
| PL4-202-150SM-B | 2.00 | 4.00 | 8.0 | 12.0 | 15 | 40 | 2.1 | 0.045 | 0.125 |
| PL4-252-150SM-B | 2.50 | 5.00 | 8.0 | 25.0 | 15 | 40 | 1.9 | 0.025 | 0.085 |
| PL4-262-6V0SM-B | 2.60 | 5.20 | 8.0 | 20.0 | 6 | 40 | 1.9 | 0.025 | 0.075 |
| PL4-302-6V0SM-B | 3.00 | 6.00 | 8.0 | 35.0 | 6 | 40 | 1.9 | 0.015 | 0.048 |

Notes:

I_H = Hold current: maximum current the device will conduct without interruption at 25°C in still air unless otherwise specified.

I_T = Trip current: minimum current at which the device switches from low resistance to high resistance at 25°C in still air unless otherwise specified.

T_{TRIP} = Maximum time to trip at specified current.

V_{MAX} = Maximum voltage device can withstand without damage at rated current.

I_{MAX} = Maximum fault current device can withstand without damage at rated voltage.

P_D (typ) = Typical power dissipation: typical amount of power dissipated by the device when in still air.

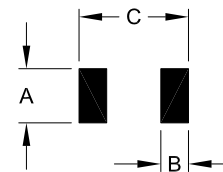
R_{MIN} = Minimum device resistance at 25°C prior to tripping.

R_{MAX} = Maximum device resistance at 25°C prior to tripping.

R_{1MAX} = Maximum device resistance measured in the non-tripped state 1 hour post reflow.

Pad Dimensions (mm)

| Part Number | A | B | C |
|-----------------|-----|-----|------|
| PL4-301-600SM-B | 3.1 | 2.3 | 9.7 |
| PL4-501-240SM-B | 3.1 | 2.3 | 9.7 |
| PL4-751-600SM-B | 3.1 | 2.3 | 9.7 |
| PL4-112-330SM-B | 3.1 | 2.3 | 9.7 |
| PL4-122-240SM-B | 3.1 | 2.3 | 9.7 |
| PL4-132-330SM-B | 4.6 | 2.3 | 10.7 |
| PL4-152-330SM-B | 4.6 | 2.3 | 10.7 |
| PL4-182-150SM-B | 4.6 | 2.3 | 10.7 |
| PL4-202-150SM-B | 4.6 | 2.3 | 10.7 |
| PL4-252-150SM-B | 4.6 | 2.3 | 10.7 |
| PL4-262-6V0SM-B | 3.1 | 2.3 | 9.7 |
| PL4-302-6V0SM-B | 3.1 | 2.3 | 9.7 |



PL4 Pad Dimensions

Note: The information contained in this catalog has been carefully reviewed and is believed to be accurate. However, due to the possibility of unforeseen inaccuracies, no responsibility is assumed.

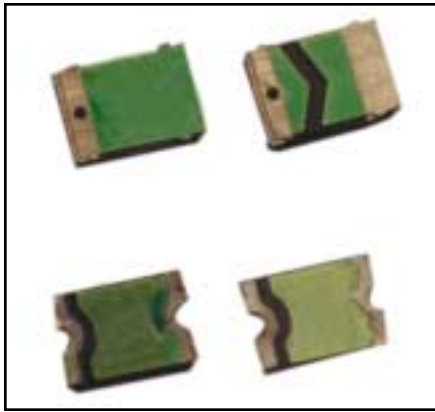


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PPTC Thermistors



PM Series

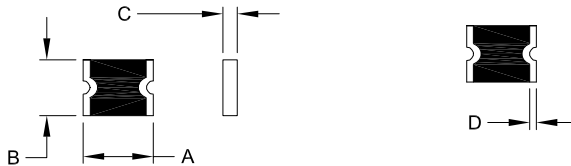
Low Voltage Miniature SMD Resettable Fuse

Typical Applications

- Computer Motherboards
- USB Hubs and Ports
- PCMCIA Cards
- General Electronics
- Hard Disc Drives
- Battery Pack Protection
- DC Input/Output Power
- Motor $\leq 13.2V_{DC}$
- Signal-Data Communication $\leq 13.2V_{AC}$
- Digital Line Modem-Overcurrent Protection
- PBX Subscriber Overcurrent Protection

Features

- UL / CSA Approved
- TÜV Approved
- Surface Mount Devices
- Reduced Component Size
- Reduced Trip Times



Product Dimensions (mm)

| Part Number | A Max | B Max | C Max | D Max |
|-----------------|----------|----------|----------|----------|
| PM2-101-600SM-B | 4.73 | 3.41 | 0.81 | 0.60 |
| PM2-141-600SM-B | 4.73 | 3.41 | 0.81 | 0.60 |
| PM2-201-300SM-B | 4.73 | 3.41 | 0.81 | 0.60 |
| PM2-501-150SM-B | 4.73 | 3.41 | 0.61 | 0.60 |
| PM2-751-130SM-B | 4.73 | 3.41 | 0.61 | 0.60 |
| PM2-112-6V0SM-B | 4.73 | 3.41 | 0.61 | 0.60 |
| PM2-122-6V0SM-B | 4.73 | 3.41 | 1.25 | 0.60 |
| PM2-152-6V0SM-B | 4.73 | 3.41 | 1.25 | 0.60 |
| PM2-161-6V0SM-B | 4.73 | 3.41 | 1.25 | 0.60 |
| PM2-192-160SM-B | 11.51 | 5.33 | 0.55 | 0.60 |
| PM2-202-6V0SM-B | 4.73 | 3.41 | 1.25 | 0.60 |
| PM2-262-6V0SM-B | 4.73 | 3.41 | 2.25 | 0.60 |

Part Number Code

PM 2 - 101 - 600 NL -B
 1 2 3 4 5 6

1. Series Code: PM Series
2. Body Type: 2 = Rectangular Epoxy
3. Hold Current (mA): 2 significant digits + multiplier
e.g.: 0.10A = 100mA = 101

4. Maximum Voltage (V): 2 significant digits + multiplier
e.g.: 60V = 600
5. Leads: SM = SMD
6. Control Code



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PPTC Thermistors - PM Series

Specifications

| Part Number | I_H (A) | I_T (A) | T_{TRIP} | | V_{MAX} (V) | I_{MAX} (A) | P_D (typ) (W) | R_{MIN} (Ω) | R_{1MAX} (Ω) |
|-----------------|--------------|--------------|------------|---------|------------------|------------------|--------------------|---------------------------|----------------------------|
| | | | Current(A) | Time(S) | | | | | |
| PM2-101-600SM-B | 0.10 | 0.20 | 1.5 | 0.15 | 60.0 | 10 | 1.0 | 0.700 | 6.000 |
| PM2-141-600SM-B | 0.14 | 0.34 | 1.5 | 0.15 | 60.0 | 10 | 1.0 | 0.700 | 6.000 |
| PM2-201-300SM-B | 0.20 | 0.40 | 6.0 | 0.06 | 30.0 | 10 | 1.0 | 0.600 | 5.000 |
| PM2-501-150SM-B | 0.50 | 1.00 | 8.0 | 0.15 | 15.0 | 40 | 1.0 | 0.150 | 1.000 |
| PM2-751-130SM-B | 0.75 | 1.50 | 8.0 | 0.20 | 13.2 | 40 | 1.0 | 0.100 | 0.480 |
| PM2-112-6V0SM-B | 1.10 | 2.20 | 8.0 | 0.30 | 6.0 | 40 | 1.0 | 0.040 | 0.260 |
| PM2-122-6V0SM-B | 1.25 | 2.50 | 8.0 | 0.40 | 6.0 | 40 | 1.0 | 0.070 | 0.250 |
| PM2-152-6V0SM-B | 1.50 | 3.00 | 8.0 | 0.50 | 6.0 | 40 | 1.0 | 0.040 | 0.110 |
| PM2-161-6V0SM-B | 1.60 | 2.80 | 8.0 | 1.00 | 6.0 | 40 | 1.0 | 0.030 | 0.100 |
| PM2-192-160SM-B | 1.90 | 3.80 | 10.0 | 2.00 | 16.0 | 100 | 1.5 | 0.024 | 0.080 |
| PM2-202-6V0SM-B | 2.00 | 3.50 | 8.0 | 2.00 | 6.0 | 40 | 1.0 | 0.020 | 0.075 |
| PM2-262-6V0SM-B | 2.60 | 5.20 | 8.0 | 2.50 | 6.0 | 40 | 1.0 | 0.015 | 0.047 |

Notes:

I_H = Hold current: maximum current the device will conduct without interruption at 25°C in still air unless otherwise specified.

I_T = Trip current: minimum current at which the device switches from low resistance to high resistance at 25°C in still air unless otherwise specified.

T_{TRIP} = Maximum time to trip at specified.

V_{MAX} = Maximum voltage device can withstand without damage at rated current.

I_{MAX} = Maximum fault current device can withstand without damage at rated voltage.

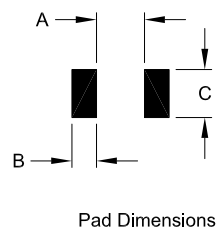
P_D (typ) = Typical power dissipation: typical amount of power dissipated by the device when in still air.

R_{MIN} = Minimum device resistance at 25°C prior to tripping.

R_{1MAX} = Maximum device resistance measured in the non-tripped state 1 hour post reflow.

Pad Dimensions (mm)

| Part Number | A | B | C |
|-----------------|------|------|------|
| PM2-101-600SM-B | 3.45 | 1.78 | 3.15 |
| PM2-141-600SM-B | 3.45 | 1.78 | 3.15 |
| PM2-201-300SM-B | 3.45 | 1.78 | 3.15 |
| PM2-501-150SM-B | 3.45 | 1.78 | 3.15 |
| PM2-751-130SM-B | 3.45 | 1.78 | 3.15 |
| PM2-112-6V0SM-B | 3.45 | 1.78 | 3.15 |
| PM2-122-6V0SM-B | 3.45 | 1.78 | 3.15 |
| PM2-152-6V0SM-B | 3.45 | 1.78 | 3.15 |
| PM2-161-6V0SM-B | 3.45 | 1.78 | 3.15 |
| PM2-192-160SM-B | 9.57 | 1.45 | 4.75 |
| PM2-202-6V0SM-B | 3.45 | 1.78 | 3.15 |
| PM2-262-6V0SM-B | 3.45 | 1.78 | 3.15 |



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PPTC Thermistors



PN Series High Voltage SMD Resettable Fuse

Typical Applications

- Telecommunication Equipment
- Networking Equipment
- Power Supplies
- General Electronics

Features

- UL / CSA Approved
- TÜV Approved
- Surface Mount Devices

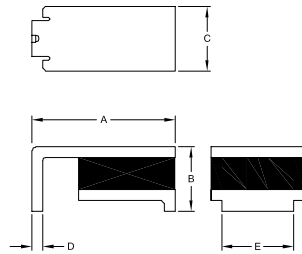


Figure 1

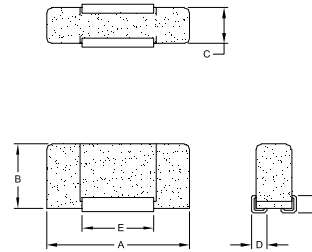


Figure 2

Product Dimensions (mm)

| Part Number | A Max | B Max | C Max | D Min | E Typ | Figure |
|-----------------|----------|----------|----------|----------|----------|--------|
| PN4-800-251SM-B | 9.4 | 3.4 | 7.4 | 0.3 | 3.8 | 1 |
| PN4-131-251SM-B | 9.4 | 3.4 | 7.4 | 0.3 | 3.8 | 1 |

| Part Number | A Max | B Max | C Max | D Max | E Max | F Max | Figure |
|-----------------|----------|----------|----------|----------|----------|----------|--------|
| PN4-171-601SM-B | 19.4 | 12.3 | 8.3 | 2.4* | 10.4* | 2.3 | 2 |
| PN4-201-601SM-B | 19.4 | 12.3 | 8.3 | 2.4* | 10.4* | 2.3 | 2 |

Part Number Code

PN 4 - 800 - 251 SM -B
1 2 3 4 5 6

1. Series Code: PN Series
2. Body Type: 4 = Bare Rectangle
3. Hold Current (mA): 2 significant digits + multiplier
e.g.: 0.080A = 80mA = 800

4. Maximum Voltage (V): 2 significant digits + multiplier
e.g.: 250V = 251
5. Leads: SM = SMD
6. Control Code



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PPTC Thermistors - PN Series

Specifications

| Part Number | I_H | I_T | T_{TRIP} | | V_{MAX} | I_{MAX} | $P_D(\text{typ})$ | R_{MIN} | R_{MAX} |
|-----------------|-------|-------|------------|---------|-----------|-----------|-------------------|--------------|--------------|
| | (A) | (A) | Current(A) | Time(S) | (V) | (A) | (W) | (Ω) | (Ω) |
| PN4-800-251SM-B | 0.080 | 0.160 | 1.00 | 0.45 | 250 | 3.0 | 1.00 | 14.0 | 22.0 |
| PN4-131-251SM-B | 0.130 | 0.260 | 1.00 | 0.90 | 250 | 3.0 | 3.00 | 6.5 | 12.0 |
| PN4-171-601SM-B | 0.170 | 0.340 | 1.00 | 10.00 | 600 | 3.0 | 2.50 | 4.0 | 9.0 |
| PN4-201-601SM-B | 0.200 | 0.400 | 1.00 | 12.00 | 600 | 3.0 | 2.50 | 4.0 | 7.5 |

Notes:

I_H = Hold current: maximum current the device will conduct without interruption at 25°C in still air unless otherwise specified.

I_T = Trip current: minimum current at which the device switches from low resistance to high resistance at 25°C in still air unless otherwise specified.

T_{TRIP} = Maximum time to trip at specified current.

V_{MAX} = Maximum interrupt voltage device can withstand without damage at rated current.

I_{MAX} = Maximum fault current device can withstand without damage at rated voltage.

$P_D(\text{typ})$ = Typical power dissipation: typical amount of power dissipated by the device when in still air.

R_{MIN} = Minimum device resistance at 25°C prior to tripping.

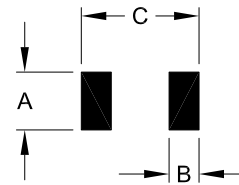
R_{MAX} = Maximum device resistance at 25°C prior to tripping.

Thermal Derating Chart (I_H)

| Part Number | Maximum Ambient Operating Temperatures (°C) | | | | | | | | |
|-----------------|---|-------|-------|-------|-------|-------|-------|-------|-------|
| | -40 | -20 | 0 | 25 | 40 | 50 | 60 | 70 | 85 |
| PN4-800-251SM-B | 0.124 | 0.110 | 0.095 | 0.080 | 0.066 | 0.059 | 0.051 | 0.044 | 0.033 |
| PN4-131-251SM-B | 0.208 | 0.182 | 0.156 | 0.130 | 0.104 | 0.091 | 0.078 | 0.065 | 0.045 |
| PN4-171-601SM-B | 0.264 | 0.230 | 0.200 | 0.170 | 0.140 | 0.125 | 0.100 | 0.094 | 0.070 |
| PN4-201-601SM-B | 0.310 | 0.275 | 0.238 | 0.200 | 0.165 | 0.147 | 0.128 | 0.110 | 0.083 |

Pad Dimensions (mm)

| Part Number | A | B | C | Figure |
|-----------------|-----|-----|-----|--------|
| PN4-800-251SM-B | 4.6 | 1.8 | 6.1 | 1 |
| PN4-131-251SM-B | 4.6 | 1.8 | 6.1 | 1 |



PN4 Pad Dimensions

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PPTC Thermistors



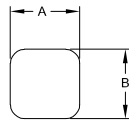
PP Series 250V SMD Resettable Fuse

Typical Applications

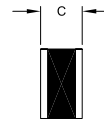
- Telecommunication Equipment
- Networking Equipment
- Power Supplies
- General Electronics
- MDF(Main Distribution Frame) Modules/Primary Protection

Features

- UL / CSA Approved
- TÜV Approved



Top View



SideView

Product Dimensions (mm)

| Part Number | A | | B | | C | |
|-----------------|-----|------|-----|-----|-----|-----|
| | Min | Max | Min | Max | Min | Max |
| PP4-800-251SM-B | 5.0 | 5.9 | 5.0 | 5.9 | 1.8 | 2.8 |
| PP4-121-251SM-B | 5.0 | 5.9 | 5.0 | 5.9 | 1.8 | 2.8 |
| PP4-141-251SM-B | 5.0 | 5.9 | 5.0 | 5.9 | 1.8 | 2.8 |
| PP4-181-251SM-B | 5.0 | 10.4 | 5.0 | 6.6 | 1.8 | 2.8 |

Part Number Code

PP 4 - 800 - 251 SM -B
 1 2 3 4 5 6

1. Series Code: PP Series

2. Body Type: 4 = Bare Rectangle

3. Hold Current (mA): 2 significant digits + multiplier
 e.g.: 0.080A = 80mA = 800

4. Maximum Voltage (V): 2 significant digits + multiplier
 e.g.: 250V = 251

5. Leads: SM = SMD

6. Control Code



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PPTC Thermistors - PP Series

Specifications

| Part Number | I_H | I_T | T_{TRIP} | | V_{MAX} | I_{MAX} | $P_D(\text{typ})$ | R_{MIN} | R_{MAX} |
|-----------------|-------|-------|------------|---------|-----------|-----------|-------------------|--------------|--------------|
| | (A) | (A) | Current(A) | Time(S) | (V) | (A) | (W) | (Ω) | (Ω) |
| PP4-800-251SM-B | 0.080 | 0.160 | 1.0 | 0.8 | 250 | 3.0 | 1.0 | 14.0 | 22.0 |
| PP4-121-251SM-B | 0.120 | 0.240 | 1.0 | 1.2 | 250 | 3.0 | 1.0 | 6.0 | 13.0 |
| PP4-141-251SM-B | 0.145 | 0.290 | 1.0 | 1.5 | 250 | 3.0 | 1.0 | 4.0 | 9.0 |
| PP4-181-251SM-B | 0.180 | 0.360 | 1.0 | 12.0 | 250 | 10.0 | 1.0 | 0.8 | 2.0 |

Notes:

I_H = Hold current: maximum current the device will conduct without interruption at 25°C in still air unless otherwise specified.

I_T = Trip current: minimum current at which the device switches from low resistance to high resistance at 25°C in still air unless otherwise specified.

T_{TRIP} = Maximum time to trip at specified current.

V_{MAX} = Maximum interrupt voltage device can withstand without damage at rated current.

V_{OP} = Operating voltage that the device can withstand without damage at the rated current.

I_{MAX} = Maximum fault current device can withstand without damage at rated voltage.

$P_D(\text{typ})$ = Typical power dissipation: typical amount of power dissipated by the device when in still air.

R_{MIN} = Minimum device resistance at 25°C prior to tripping.

R_{MAX} = Maximum device resistance at 25°C prior to tripping.

Thermal Derating Chart (I_H)

| Part Number | Maximum Ambient Operating Temperatures (°C) | | | | | | | | |
|-----------------|---|-------|-------|-------|-------|-------|-------|-------|-------|
| | -40 | -20 | 0 | 25 | 40 | 50 | 60 | 70 | 85 |
| PP4-800-251SM-B | 0.124 | 0.110 | 0.095 | 0.080 | 0.066 | 0.059 | 0.051 | 0.044 | 0.033 |
| PP4-121-251SM-B | 0.186 | 0.165 | 0.143 | 0.120 | 0.099 | 0.088 | 0.077 | 0.066 | 0.050 |
| PP4-141-251SM-B | 0.225 | 0.199 | 0.172 | 0.145 | 0.119 | 0.106 | 0.093 | 0.080 | 0.060 |
| PP4-181-251SM-B | 0.269 | 0.240 | 0.211 | 0.180 | 0.153 | 0.138 | 0.123 | 0.109 | 0.087 |

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PPTC Thermistors



PS Series

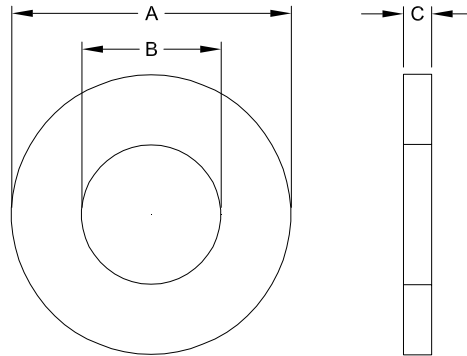
15V Strap-Type Resettable Fuse for Thermal and Overcharge Protection

Typical Applications

- Lithium Cells
- Motors
- Consumer Electronics
- Industrial Controls
- Telecommunications Equipment
- General Electronics

Features

- Custom Designs Available - Electrical and Mechanical
- Standard and Low-Temperature Material
- UL / CSA / TÜV Pending
- Bulk Packaging



Product Dimensions (mm)

| Part Number | A Typ | B Typ | C Typ |
|-----------------|----------|----------|----------|
| PS3-552-150NL-B | 16.00 | 8.90 | 0.35 |
| PS3-352-150NL-B | 16.00 | 10.00 | 0.35 |
| PS3-172-150NL-B | 11.70 | 5.43 | 0.30 |
| PS3-102-150NL-B | 11.80 | 6.50 | 0.31 |
| PS3-122-150NL-B | 14.73 | 8.20 | 0.31 |
| PS3-751-150NL-B | 11.40 | 8.00 | 0.31 |
| PS3-152-150NL-B | 14.00 | 9.00 | 0.31 |
| PS3-222-150NL-B | 15.40 | 9.00 | 0.31 |

Part Number Code

| PS 3 - 552 - 150 NL -B | | | | | |
|--|---|---|---|--|---|
| 1 | 2 | 3 | 4 | 5 | 6 |
| 1. Series Code: PS Series | | | | 4. Maximum Voltage (V): 2 significant digits + multiplier e.g.: 15V = 150 | |
| 2. Body Type: 3 = Bare Disc | | | | 5. Leads: NL = No Leads | |
| 3. Hold Current (mA): 2 significant digits + multiplier e.g.: 5.50A = 550mA = 552 | | | | 6. Control Code | |



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PPTC Thermistors - PS Series

Specifications

| Part Number | I_H | I_T | T_{TRIP} | | V_{MAX} | I_{MAX} | R_{MIN} | R_{MAX} |
|-----------------|-------|-------|------------|---------|-----------|-----------|--------------|--------------|
| | (A) | (A) | Current(A) | Time(S) | (V) | (A) | (Ω) | (Ω) |
| PS3-552-150NL-B | 5.50 | 11.00 | 10.0 | 15.0 | 15 | 40 | 0.014 | 0.030 |
| PS3-352-150NL-B | 3.50 | 7.00 | 10.0 | 10.0 | 15 | 20 | 0.015 | 0.032 |
| PS3-172-150NL-B | 1.70 | 3.40 | 10.0 | 10.0 | 15 | 40 | 0.030 | 0.060 |
| PS3-102-150NL-B | 1.00 | 2.00 | 5.0 | 5.0 | 15 | 40 | 0.027 | 0.057 |
| PS3-122-150NL-B | 1.20 | 2.40 | 5.0 | 5.0 | 15 | 40 | 0.015 | 0.036 |
| PS3-751-150NL-B | 0.75 | 1.50 | 10.0 | 5.0 | 15 | 40 | 0.035 | 0.050 |
| PS3-152-150NL-B | 1.50 | 3.00 | 10.0 | 5.0 | 15 | 40 | 0.015 | 0.032 |
| PS3-222-150NL-B | 2.20 | 4.40 | 10.0 | 5.0 | 15 | 40 | 0.012 | 0.023 |

Notes:

I_H = Hold current: maximum current the device will conduct without interruption at 25°C in still air unless otherwise specified.

I_T = Trip current: minimum current at which the device switches from low resistance to high resistance at 25°C in still air unless otherwise specified.

T_{TRIP} = Maximum time to trip at specified current.

V_{MAX} = Maximum interrupt voltage device can withstand without damage at rated current.

I_{MAX} = Maximum fault current device can withstand without damage at rated voltage.

R_{MIN} = Minimum device resistance at 25°C prior to tripping.

R_{MAX} = Maximum device resistance at 25°C prior to tripping.

Note: The information contained in this catalog has been carefully reviewed and is believed to be accurate. However, due to the possibility of unforeseen inaccuracies, no responsibility is assumed.

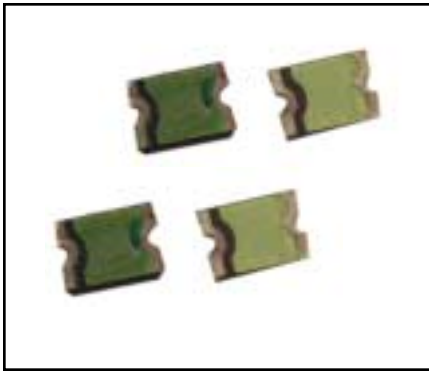


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PPTC Thermistors



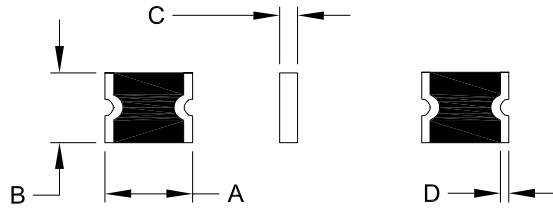
PT Series Low Voltage SMD Resettable Fuse

Typical Applications

- Computer Motherboards
- USB Hubs and Ports
- CD/DVD Drives
- General Electronics
- AC Adapter Input Power
- IEEE - 1394
- LNB (Low Noise Block)
- Signal - Data Communication

Features

- Small Size - 1210
- Fast Time-To-Trip
- UL / CSA Approved
- TÜV Approved
- Surface Mount Devices
- Tape and Reel Packing



Product Dimensions (mm)

| Part Number | A Max | B Max | C Max | D Min | E Min |
|-----------------|----------|----------|----------|----------|----------|
| PT2-500-300SM-B | 3.43 | 2.80 | 1.25 | 0.60 | 0.20 |
| PT2-101-300SM-B | 3.43 | 2.80 | 1.25 | 0.60 | 0.20 |
| PT2-201-300SM-B | 3.43 | 2.80 | 1.25 | 0.60 | 0.20 |
| PT2-351-6V0SM-B | 3.43 | 2.80 | 0.85 | 0.60 | 0.20 |
| PT2-501-130SM-B | 3.43 | 2.80 | 0.85 | 0.60 | 0.20 |
| PT2-751-6V0SM-B | 3.43 | 2.80 | 1.30 | 0.60 | 0.20 |
| PT2-112-6V0SM-B | 3.43 | 2.80 | 1.30 | 0.60 | 0.20 |
| PT2-152-6V0SM-B | 3.43 | 2.80 | 2.25 | 0.60 | 0.20 |

Part Number Code

PT 2 - 500 - 300 SM -B
1 2 3 4 5 6

1. Series Code: PT Series

2. Body Type: 2 = Rectangular Epoxy

3. Hold Current (mA): 2 significant digits + multiplier
e.g.: 0.05A = 50mA = 500

4. Maximum Voltage (V): 2 significant digits + multiplier
e.g.: 30V = 300

5. Leads: SM = SMD

6. Control Code



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PPTC Thermistors - PT Series

Specifications

| Part Number | I _H (A) | I _T (A) | T _{TRIP} | | V _{MAX} (V) | I _{MAX} (A) | P _D (typ) (W) | R _{MIN} (Ω) | R _{MAX} (Ω) |
|-----------------|-----------------------|-----------------------|-------------------|---------|-------------------------|-------------------------|-----------------------------|-------------------------|-------------------------|
| | | | Current(A) | Time(S) | | | | | |
| PT2-500-300SM-B | 0.05 | 0.15 | 1.5 | 0.25 | 30 | 10 | 1.0 | 3.60 | 50.0 |
| PT2-101-300SM-B | 0.10 | 0.30 | 1.5 | 0.50 | 30 | 10 | 1.0 | 1.60 | 15.0 |
| PT2-201-300SM-B | 0.20 | 0.40 | 8.0 | 0.02 | 30 | 10 | 1.0 | 0.80 | 5.0 |
| PT2-351-6V0SM-B | 0.35 | 0.70 | 8.0 | 0.20 | 6 | 40 | 1.0 | 0.32 | 1.30 |
| PT2-501-130SM-B | 0.50 | 1.00 | 8.0 | 0.10 | 13.2 | 40 | 1.0 | 0.25 | 0.90 |
| PT2-751-6V0SM-B | 0.75 | 1.50 | 8.0 | 0.10 | 6 | 40 | 1.0 | 0.13 | 0.40 |
| PT2-112-6V0SM-B | 1.10 | 2.20 | 8.0 | 0.30 | 6 | 40 | 1.0 | 0.06 | 0.21 |
| PT2-152-6V0SM-B | 1.50 | 3.00 | 8.0 | 0.50 | 6 | 40 | 1.0 | 0.04 | 0.11 |

Notes:

I_H = Hold current: maximum current the device will conduct without interruption at 25°C in still air unless otherwise specified.

I_T = Trip current: minimum current at which the device switches from low resistance to high resistance at 25°C in still air unless otherwise specified.

T_{TRIP} = Maximum time to trip at specified current.

V_{MAX} = Maximum interrupt voltage device can withstand without damage at rated current.

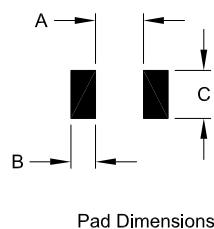
I_{MAX} = Maximum fault current device can withstand without damage at rated voltage.

R_{MIN} = Minimum device resistance at 25°C prior to tripping.

R_{MAX} = Maximum device resistance at 25°C prior to tripping.

Pad Dimensions (mm)

| Part Number | A | B | C |
|-----------------|------|------|------|
| PT2-500-300SM-B | 2.00 | 1.00 | 2.50 |
| PT2-101-300SM-B | 2.00 | 1.00 | 2.50 |
| PT2-201-300SM-B | 2.00 | 1.00 | 2.50 |
| PT2-351-6V0SM-B | 2.00 | 1.00 | 2.50 |
| PT2-501-130SM-B | 2.00 | 1.00 | 2.50 |
| PT2-751-6V0SM-B | 2.00 | 1.00 | 2.50 |
| PT2-112-6V0SM-B | 2.00 | 1.00 | 2.50 |
| PT2-152-6V0SM-B | 2.00 | 1.00 | 2.50 |



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PPTC Thermistors



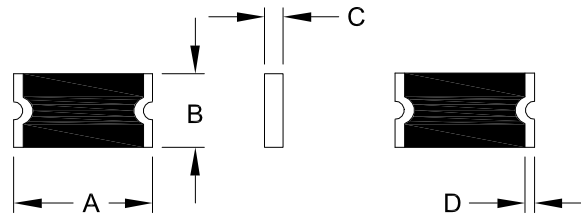
PU Series Low Voltage SMD Resettable Fuse

Typical Applications

- Computer Motherboards
- USB Hubs and Ports
- CD/DVD Drives
- General Electronics
- AC Adapter Input Power
- IEEE - 1394
- LNB (Low Noise Block)
- Signal - Data Communication

Features

- Very Small Size - 1206
- Fast Time-to-Trip
- UL / CSA Approved
- TÜV Approved
- Surface Mount Devices
- Tape and Reel Packing



Product Dimensions (mm)

| Part Number | A Max | B Max | C Max | D Min | E Min |
|-----------------|----------|----------|----------|----------|----------|
| PU2-121-300SM-B | 3.50 | 1.80 | 0.75 | 0.10 | 0.20 |
| PU2-161-300SM-B | 3.50 | 1.80 | 0.80 | 0.10 | 0.20 |
| PU2-201-160SM-B | 3.50 | 1.80 | 0.80 | 0.10 | 0.20 |
| PU2-351-6V0SM-B | 3.50 | 1.80 | 0.85 | 0.10 | 0.20 |
| PU2-501-6V0SM-B | 3.50 | 1.80 | 0.85 | 0.10 | 0.20 |
| PU2-751-6V0SM-B | 3.50 | 1.80 | 1.30 | 0.10 | 0.20 |
| PU2-112-6V0SM-B | 3.50 | 1.80 | 1.30 | 0.10 | 0.20 |
| PU2-152-6V0SM-B | 3.50 | 1.80 | 2.25 | 0.10 | 0.20 |

Part Number Code

PU 2 - 121 - 300 SM -B
 1 2 3 4 5 6

1. Series Code: PU Series

2. Body Type: 2 = Rectangular Epoxy

3. Hold Current (mA): 2 significant digits + multiplier
 e.g.: 0.125A = 125mA = 121

4. Maximum Voltage (V): 2 significant digits + multiplier
 e.g.: 30V = 300

5. Leads: SM = SMD

6. Control Code



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PPTC Thermistors - PU Series

Specifications

| Part Number | I_H (A) | I_T (A) | T_{TRIP} | | V_{MAX} (V) | I_{MAX} (A) | P_D (typ) (W) | R_{MIN} (Ω) | R_{MAX} (Ω) |
|-----------------|--------------|--------------|------------|---------|------------------|------------------|--------------------|---------------------------|---------------------------|
| | | | Current(A) | Time(S) | | | | | |
| PU2-121-300SM-B | 0.125 | 0.29 | 1.0 | 0.20 | 30 | 20 | 0.6 | 1.50 | 6.00 |
| PU2-161-300SM-B | 0.16 | 0.37 | 1.0 | 0.30 | 30 | 20 | 0.6 | 1.20 | 4.50 |
| PU2-201-160SM-B | 0.20 | 0.40 | 8.0 | 0.05 | 16 | 40 | 0.6 | 0.60 | 2.50 |
| PU2-351-6V0SM-B | 0.35 | 0.75 | 8.0 | 0.10 | 6 | 40 | 0.6 | 0.30 | 1.20 |
| PU2-501-6V0SM-B | 0.50 | 1.00 | 8.0 | 0.10 | 6 | 40 | 0.6 | 0.15 | 0.70 |
| PU2-751-6V0SM-B | 0.75 | 1.50 | 8.0 | 0.20 | 6 | 40 | 0.6 | 0.10 | 0.29 |
| PU2-112-6V0SM-B | 1.10 | 1.80 | 8.0 | 3.00 | 6 | 40 | 0.6 | 0.055 | 0.21 |
| PU2-152-6V0SM-B | 1.50 | 3.00 | 8.0 | 1.00 | 6 | 40 | 0.6 | 0.04 | 0.12 |

Notes:

I_H = Hold current: maximum current the device will conduct without interruption at 25°C in still air unless otherwise specified.

I_T = Trip current: minimum current at which the device switches from low resistance to high resistance at 25°C in still air unless otherwise specified.

T_{TRIP} = Maximum time to trip at specified current.

V_{MAX} = Maximum interrupt voltage device can withstand without damage at rated current.

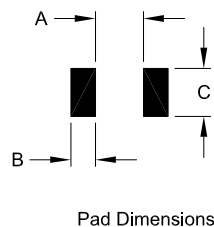
I_{MAX} = Maximum fault current device can withstand without damage at rated voltage.

R_{MIN} = Minimum device resistance at 25°C prior to tripping.

R_{MAX} = Maximum device resistance at 25°C prior to tripping.

Pad Dimensions (mm)

| Part Number | A | B | C |
|-----------------|------|------|------|
| PU2-121-300SM-B | 1.80 | 1.00 | 1.80 |
| PU2-161-300SM-B | 1.80 | 1.00 | 1.80 |
| PU2-201-160SM-B | 1.80 | 1.00 | 1.80 |
| PU2-351-6V0SM-B | 1.80 | 1.00 | 1.80 |
| PU2-501-6V0SM-B | 1.80 | 1.00 | 1.80 |
| PU2-751-6V0SM-B | 1.80 | 1.00 | 1.80 |
| PU2-112-6V0SM-B | 1.80 | 1.00 | 1.80 |
| PU2-152-6V0SM-B | 1.80 | 1.00 | 1.80 |



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