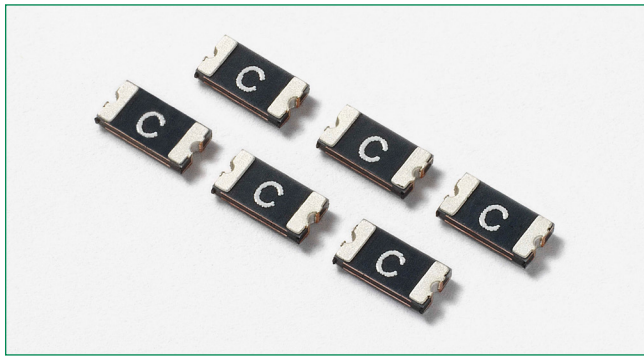


### 1206L Series



#### Description

The 1206L Series PTC provides surface mount overcurrent protection for applications where space is at a premium and resettable protection is desired.



#### Features

- RoHS compliant, lead-free and halogen-free
- Fast response to fault currents
- Compact design saves board space
- Low resistance
- Low-profile
- Compatible with high temperature solders



#### Applications

- USB peripherals
- Disk drives
- CD-ROMs
- Plug and play protection for motherboards and peripherals
- Mobile phones - battery and port protection
- Disk drives
- PDAs / digital cameras
- Game console port protection

#### Agency Approvals

| Agency  | Agency File Number |
|---|--------------------|
|  | E183209            |
|  | R50119118          |

#### Electrical Characteristics

| Part Number             | Marking | I <sub>hold</sub> (A) | I <sub>trip</sub> (A) | V <sub>max</sub> (Vdc) | I <sub>max</sub> (A) | P <sub>d</sub> typ. (W) | Maximum Time To Trip |             | Resistance           |                       | Agency Approvals  |   |
|-------------------------|---------|-----------------------|-----------------------|------------------------|----------------------|-------------------------|----------------------|-------------|----------------------|-----------------------|---|---|
|                         |         |                       |                       |                        |                      |                         | Current (A)          | Time (Sec.) | R <sub>min</sub> (Ω) | R <sub>1max</sub> (Ω) |  |  |
| 1206L005/60             | f6      | 0.05                  | 0.15                  | 60                     | 10                   | 0.6                     | 0.25                 | 1.50        | 3.60                 | 20.00                 | X   | X   |
| 1206L010/60             | n6      | 0.10                  | 0.25                  | 60                     | 10                   | 0.6                     | 0.50                 | 1.50        | 1.50                 | 10.00                 | X   | X   |
| 1206L012/48             | U       | 0.125                 | 0.29                  | 48                     | 10                   | 0.6                     | 1.00                 | 0.20        | 1.50                 | 6.00                  | X   | X   |
| 1206L012                | A       | 0.125                 | 0.29                  | 30                     | 100                  | 0.6                     | 1.00                 | 0.20        | 1.500                | 6.000                 | X   | X   |
| 1206L016                | B       | 0.16                  | 0.37                  | 30                     | 100                  | 0.6                     | 1.00                 | 0.30        | 1.200                | 4.500                 | X   | X   |
| 1206L020/30             | C3      | 0.20                  | 0.42                  | 30                     | 100                  | 0.6                     | 8.00                 | 0.10        | 0.65                 | 2.60                  | X   | X   |
| 1206L020 <sup>1,2</sup> | C       | 0.20                  | 0.42                  | 24                     | 100                  | 0.6                     | 8.00                 | 0.10        | 0.650                | 2.600                 | X   | X   |
| 1206L025/24             | D2      | 0.25                  | 0.55                  | 24                     | 100                  | 0.6                     | 8.00                 | 0.08        | 0.55                 | 2.30                  | X   | X   |
| 1206L025 <sup>1</sup>   | D       | 0.25                  | 0.50                  | 16                     | 100                  | 0.6                     | 8.00                 | 0.08        | 0.550                | 2.300                 | X   | X   |
| 1206L035 <sup>1</sup>   | E       | 0.35                  | 0.75                  | 6                      | 100                  | 0.6                     | 8.00                 | 0.10        | 0.300                | 1.200                 | X   | X   |
| 1206L035/16             | J       | 0.35                  | 0.75                  | 16                     | 100                  | 0.6                     | 8.00                 | 0.10        | 0.300                | 1.200                 | X   | X   |
| 1206L035/30             | J3      | 0.35                  | 0.75                  | 30                     | 100                  | 0.6                     | 8.00                 | 0.10        | 0.30                 | 1.20                  | X   | X   |
| 1206L050 <sup>1</sup>   | F       | 0.50                  | 1.00                  | 6                      | 100                  | 0.6                     | 8.00                 | 0.10        | 0.150                | 0.700                 | X   | X   |
| 1206L050/15             | M       | 0.50                  | 1.00                  | 15                     | 100                  | 0.6                     | 8.00                 | 0.10        | 0.150                | 0.750                 | X   | X   |
| 1206L050/24             | F2      | 0.50                  | 1.00                  | 24                     | 100                  | 0.6                     | 8.00                 | 0.10        | 0.15                 | 0.75                  | X   | X   |
| 1206L075/13.2           | G1      | 0.75                  | 1.50                  | 13.2                   | 100                  | 0.6                     | 8.00                 | 0.20        | 0.090                | 0.350                 | X   | X   |
| 1206L075/16             | GF      | 0.75                  | 1.50                  | 16                     | 100                  | 0.6                     | 8.00                 | 0.20        | 0.090                | 0.2900                | X   | X   |
| 1206L075TH <sup>1</sup> | G       | 0.75                  | 1.50                  | 8                      | 100                  | 0.6                     | 8.00                 | 0.20        | 0.090                | 0.290                 | X   | X   |
| 1206L110TH <sup>1</sup> | H       | 1.10                  | 2.20                  | 8                      | 100                  | 0.8                     | 8.00                 | 0.10        | 0.040                | 0.210                 | X   | X   |
| 1206L110/16             | HF      | 1.10                  | 2.20                  | 16                     | 100                  | 0.8                     | 8.00                 | 0.10        | 0.060                | 0.210                 | X   | X   |
| 1206L150TH <sup>1</sup> | K       | 1.50                  | 3.00                  | 8                      | 100                  | 0.8                     | 8.00                 | 0.30        | 0.040                | 0.120                 | X   | X   |
| 1206L175                | V       | 1.75                  | 3.50                  | 6                      | 100                  | 0.8                     | 8.00                 | 0.50        | 0.020                | 0.090                 | X   | X   |
| 1206L200                | L       | 2.00                  | 3.50                  | 6                      | 100                  | 0.8                     | 8.00                 | 1.50        | 0.018                | 0.080                 | X   | X   |

I<sub>hold</sub> = Hold current: maximum current device will pass without tripping in 20°C still air.  
 I<sub>trip</sub> = Trip current: minimum current at which the device will trip in 20°C still air.  
 V<sub>max</sub> = Maximum voltage device can withstand without damage at rated current (I<sub>max</sub>)  
 I<sub>max</sub> = Maximum fault current device can withstand without damage at rated voltage (V<sub>max</sub>)  
 P<sub>d</sub> = Power dissipated from device when in the tripped state at 20°C still air.

R<sub>min</sub> = Minimum resistance of device in initial (un-soldered) state.  
 R<sub>typ</sub> = Typical resistance of device in initial (un-soldered) state.  
 R<sub>1max</sub> = Maximum resistance of device at 20°C measured one hour after tripping or reflow soldering of 260°C for 20 sec.

**Caution:** Operation beyond the specified rating may result in damage and possible arcing and flame.

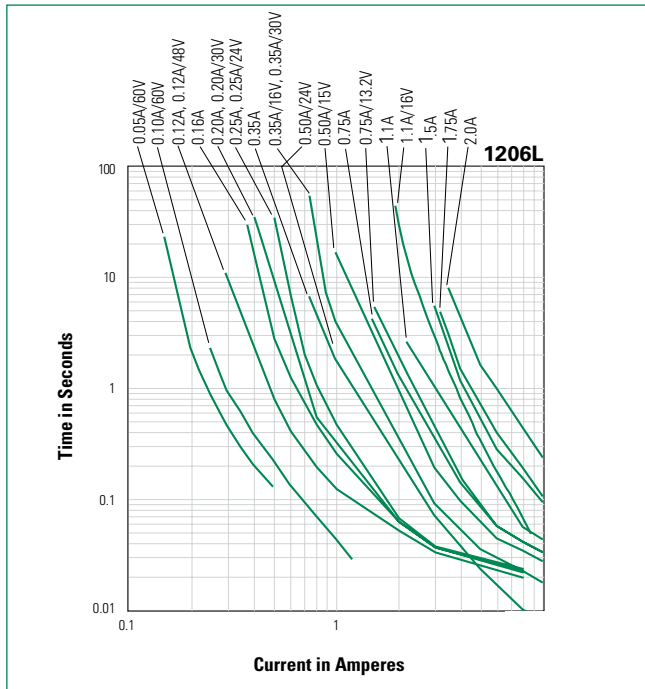
1. Some older references to these devices may include "-C" in the Part Number. The "-C" should be omitted when placing new orders for the device.
2. Part Number tested and complied with AEC-Q200.

### Temperature Derating

| Part Number   | Ambient Operation Temperature |       |       |       |       |       |       |       |       |
|---------------|-------------------------------|-------|-------|-------|-------|-------|-------|-------|-------|
|               | -40°C                         | -20°C | 0°C   | 20°C  | 40°C  | 50°C  | 60°C  | 70°C  | 85°C  |
|               | Hold Current (A)              |       |       |       |       |       |       |       |       |
| 1206L005/60   | 0.076                         | 0.068 | 0.060 | 0.050 | 0.043 | 0.039 | 0.034 | 0.030 | 0.023 |
| 1206L010/60   | 0.15                          | 0.14  | 0.12  | 0.10  | 0.083 | 0.074 | 0.065 | 0.056 | 0.042 |
| 1206L012/48   | 0.18                          | 0.16  | 0.14  | 0.125 | 0.10  | 0.09  | 0.08  | 0.07  | 0.05  |
| 1206L012      | 0.18                          | 0.16  | 0.14  | 0.125 | 0.10  | 0.09  | 0.08  | 0.07  | 0.05  |
| 1206L016      | 0.22                          | 0.20  | 0.18  | 0.16  | 0.14  | 0.12  | 0.10  | 0.09  | 0.08  |
| 1206L020/30   | 0.28                          | 0.25  | 0.23  | 0.20  | 0.17  | 0.15  | 0.14  | 0.12  | 0.09  |
| 1206L020      | 0.28                          | 0.25  | 0.23  | 0.20  | 0.17  | 0.15  | 0.14  | 0.12  | 0.09  |
| 1206L025/24   | 0.37                          | 0.33  | 0.29  | 0.25  | 0.22  | 0.20  | 0.17  | 0.15  | 0.12  |
| 1206L025      | 0.37                          | 0.33  | 0.29  | 0.25  | 0.22  | 0.20  | 0.17  | 0.15  | 0.12  |
| 1206L035      | 0.50                          | 0.45  | 0.40  | 0.35  | 0.30  | 0.27  | 0.24  | 0.21  | 0.15  |
| 1206L035/16   | 0.50                          | 0.45  | 0.40  | 0.35  | 0.30  | 0.27  | 0.24  | 0.21  | 0.15  |
| 1206L035/30   | 0.50                          | 0.45  | 0.40  | 0.35  | 0.30  | 0.27  | 0.24  | 0.21  | 0.15  |
| 1206L050      | 0.71                          | 0.64  | 0.57  | 0.50  | 0.42  | 0.39  | 0.35  | 0.31  | 0.25  |
| 1206L050/15   | 0.71                          | 0.64  | 0.57  | 0.50  | 0.42  | 0.39  | 0.35  | 0.31  | 0.25  |
| 1206L050/24   | 0.71                          | 0.64  | 0.57  | 0.50  | 0.42  | 0.39  | 0.35  | 0.31  | 0.25  |
| 1206L075/13.2 | 1.14                          | 1.04  | 0.88  | 0.75  | 0.65  | 0.59  | 0.54  | 0.49  | 0.41  |
| 1206L075/16   | 1.14                          | 1.01  | 0.88  | 0.75  | 0.65  | 0.59  | 0.54  | 0.49  | 0.41  |
| 1206L075TH    | 1.14                          | 1.01  | 0.88  | 0.75  | 0.65  | 0.59  | 0.54  | 0.49  | 0.41  |
| 1206L110TH    | 1.64                          | 1.46  | 1.30  | 1.10  | 0.92  | 0.83  | 0.80  | 0.65  | 0.52  |
| 1206L110/16   | 1.64                          | 1.46  | 1.30  | 1.10  | 0.92  | 0.83  | 0.80  | 0.65  | 0.52  |
| 1206L150TH    | 2.20                          | 1.99  | 1.77  | 1.50  | 1.34  | 1.23  | 1.10  | 1.01  | 0.84  |
| 1206L175      | 2.50                          | 2.25  | 2.00  | 1.75  | 1.55  | 1.45  | 1.35  | 1.25  | 1.10  |
| 1206L200      | 2.60                          | 2.44  | 2.35  | 2.00  | 1.78  | 1.67  | 1.50  | 1.45  | 1.10  |

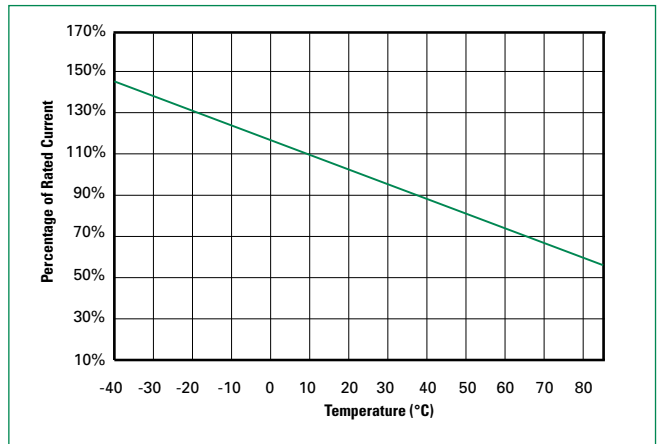
**Notes:** The temperature derating data is only for reference, please contact Littelfuse technical support for detail temperature derating information.

### Average Time Current Curves



The average time current curves and Temperature Derating curve performance is affected by a number of variables, and these curves provided as guidance only. Customer must verify the performance in their application.

### Temperature Derating Curve



### Additional Information



**Datasheet**



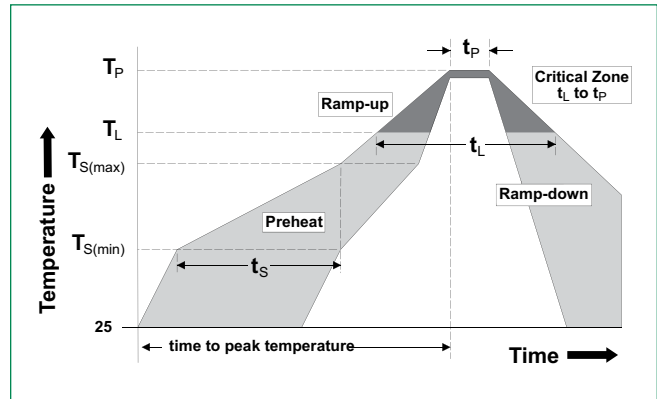
**Resources**



**Samples**

### Soldering Parameters

|   |  |                         |
|---|--|-------------------------|
| <b>Profile Feature</b>  |  | Pb-Free Assembly        |
| <b>Average Ramp-Up Rate (<math>T_{S(max)}</math> to <math>T_p</math>)</b> |  | 3°C/second max          |
| <b>Pre Heat:</b>  | <b>Temperature Min (<math>T_{s(min)}</math>)</b> | 150°C                   |
|   | <b>Temperature Max (<math>T_{s(max)}</math>)</b> | 200°C                   |
|   | <b>Time (Min to Max) (<math>t_s</math>)</b>      | 60 – 180 secs           |
| <b>Time Maintained Above:</b>   | <b>Temperature (<math>T_L</math>)</b>            | 217°C                   |
|   | <b>Temperature (<math>T_L</math>)</b>            | 60 – 150 seconds        |
| <b>Peak / Classification Temperature (<math>T_p</math>)</b>               |  | 260 <sup>+0/-5</sup> °C |
| <b>Time within 5°C of actual peak Temperature (<math>t_p</math>)</b>      |  | 20 – 40 seconds         |
| <b>Ramp-down Rate</b>   |  | 6°C/second max          |
| <b>Time 25°C to peak Temperature (<math>T_p</math>)</b>                   |  | 8 minutes Max.          |



- All temperature refer to topside of the package, measured on the package body surface
- If reflow temperature exceeds the recommended profile, devices may not meet the performance requirements
- Recommended reflow methods: IR, vapor phase oven, hot air oven, N<sub>2</sub> environment for lead
- Recommended maximum paste thickness is 0.25mm (0.010inch)
- Devices can be cleaned using standard industry methods and solvents
- Devices can be reworked using the standard industry practices

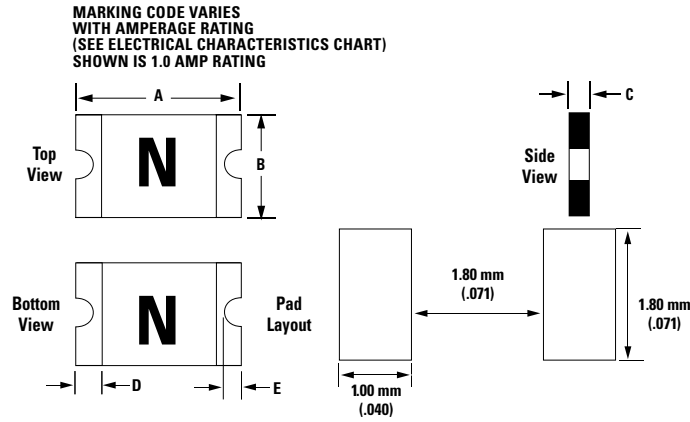
### Physical Specifications

|                           |  |
|---------------------------|--|
| <b>Terminal Material</b>  | Solder-Plated Copper (Solder Material: Matte Tin (Sn))       |
| <b>Lead Solderability</b> | Meets EIA Specification RS186-9E, ANSI/J-STD-002 Category 3. |

### Environmental Specifications

|  |   |
|--|---|
| <b>Operating/Storage Temperature</b>                       | -40°C to +85°C  |
| <b>Maximum Device Surface Temperature in Tripped State</b> | 125°C   |
| <b>Passive Aging</b>                                       | +85°C, 1000 hours<br>-/+5% typical resistance change                              |
| <b>Humidity Aging</b>                                      | +85°C, 85% R.H., 1000 hours<br>-/+5% typical resistance change                    |
| <b>Thermal Shock</b>                                       | MIL-STD-202, Method 107<br>+85°C/-40°C 20 times<br>-30% typical resistance change |
| <b>Solvent Resistance</b>                                  | MIL-STD-202, Method 215<br>No change  |
| <b>Vibration</b>   | MIL-STD-883, Method 2007, Condition A<br>No change                                |
| <b>Moisture Sensivity Level</b>                            | Level 1, J-STD-020  |

**Dimensions**



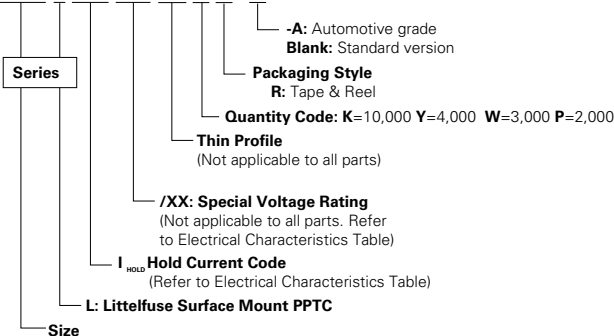
| Part Number   | A      |      |      |      | B      |      |      |      | C      |      |      |      | D      |      |      |      | E      |       |      |      |  |
|---------------|--------|------|------|------|--------|------|------|------|--------|------|------|------|--------|------|------|------|--------|-------|------|------|--|
|               | Inches |      | mm   |      | Inches |      | mm   |      | Inches |      | mm   |      | Inches |      | mm   |      | Inches |       | mm   |      |  |
|               | Min    | Max  | Min  | Max  | Min    | Max  | Min  | Max  | Min    | Max  | Min  | Max  | Min    | Max  | Min  | Max  | Min    | Max   | Min  | Max  |  |
| 1206L005/60   |        |      |      |      |        |      |      |      | 0.03   | 0.05 | 0.65 | 1.25 |        |      |      |      |        |       |      |      |  |
| 1206L010/60   |        |      |      |      |        |      |      |      | 0.03   | 0.05 | 0.65 | 1.25 |        |      |      |      |        |       |      |      |  |
| 1206L012/48   |        |      |      |      |        |      |      |      | 0.03   | 0.05 | 0.65 | 1.25 |        |      |      |      |        |       |      |      |  |
| 1206L012      |        |      |      |      |        |      |      |      | 0.03   | 0.06 | 0.65 | 1.45 |        |      |      |      |        |       |      |      |  |
| 1206L016      |        |      |      |      |        |      |      |      | 0.03   | 0.06 | 0.65 | 1.45 |        |      |      |      |        |       |      |      |  |
| 1206L020/30   |        |      |      |      |        |      |      |      | 0.02   | 0.04 | 0.50 | 1.00 |        |      |      |      |        |       |      |      |  |
| 1206L020      |        |      |      |      |        |      |      |      | 0.02   | 0.04 | 0.50 | 1.00 |        |      |      |      |        |       |      |      |  |
| 1206L025/24   |        |      |      |      |        |      |      |      | 0.02   | 0.04 | 0.50 | 1.00 |        |      |      |      |        |       |      |      |  |
| 1206L025      |        |      |      |      |        |      |      |      | 0.02   | 0.04 | 0.5  | 1.00 |        |      |      |      |        |       |      |      |  |
| 1206L035      |        |      |      |      |        |      |      |      | 0.02   | 0.03 | 0.45 | 0.75 |        |      |      |      |        |       |      |      |  |
| 1206L035/16   |        |      |      |      |        |      |      |      | 0.02   | 0.03 | 0.45 | 0.75 |        |      |      |      |        |       |      |      |  |
| 1206L035/30   | 0.12   | 0.13 | 3.00 | 3.40 | 0.06   | 0.07 | 1.50 | 1.80 | 0.02   | 0.04 | 0.50 | 1.00 | 0.01   | 0.03 | 0.25 | 0.75 | 0.002  | 0.018 | 0.05 | 0.45 |  |
| 1206L050      |        |      |      |      |        |      |      |      | 0.02   | 0.03 | 0.45 | 0.75 |        |      |      |      |        |       |      |      |  |
| 1206L050/15   |        |      |      |      |        |      |      |      | 0.02   | 0.03 | 0.45 | 0.75 |        |      |      |      |        |       |      |      |  |
| 1206L050/24   |        |      |      |      |        |      |      |      | 0.03   | 0.05 | 0.75 | 1.25 |        |      |      |      |        |       |      |      |  |
| 1206L075/13.2 |        |      |      |      |        |      |      |      | 0.03   | 0.05 | 0.75 | 1.25 |        |      |      |      |        |       |      |      |  |
| 1206L075/16   |        |      |      |      |        |      |      |      | 0.03   | 0.05 | 0.75 | 1.25 |        |      |      |      |        |       |      |      |  |
| 1206L075TH    |        |      |      |      |        |      |      |      | 0.02   | 0.03 | 0.40 | 0.75 |        |      |      |      |        |       |      |      |  |
| 1206L110TH    |        |      |      |      |        |      |      |      | 0.01   | 0.02 | 0.30 | 0.60 |        |      |      |      |        |       |      |      |  |
| 1206L110/16   |        |      |      |      |        |      |      |      | 0.03   | 0.05 | 0.75 | 1.25 |        |      |      |      |        |       |      |      |  |
| 1206L150TH    |        |      |      |      |        |      |      |      | 0.02   | 0.04 | 0.50 | 1.00 |        |      |      |      |        |       |      |      |  |
| 1206L175      |        |      |      |      |        |      |      |      | 0.03   | 0.08 | 0.80 | 1.80 |        |      |      |      |        |       |      |      |  |
| 1206L200      |        |      |      |      |        |      |      |      | 0.03   | 0.07 | 0.80 | 1.60 |        |      |      |      |        |       |      |      |  |

**WARNING**

- Users shall independently assess the suitability of these devices for each of their applications
- Operation of these devices beyond the stated maximum ratings could result in damage to the devices and lead to electrical arcing and/or fire
- These devices are intended to protect against the effects of temporary over-current or over-temperature conditions and are not intended to perform as protective devices where such conditions are expected to be repetitive or prolonged in duration
- Exposure to silicon-based oils, solvents, electrolytes, acids, and similar materials can adversely affect the performance of these PPTC devices
- These devices undergo thermal expansion under fault conditions, and thus shall be provided with adequate space and be protected against mechanical stresses
- Circuits with inductance may generate a voltage (L di/dt) above the rated voltage of the PPTC device.

**Part Ordering Number System**

**1206 L 380 /12 TH Y R - A**

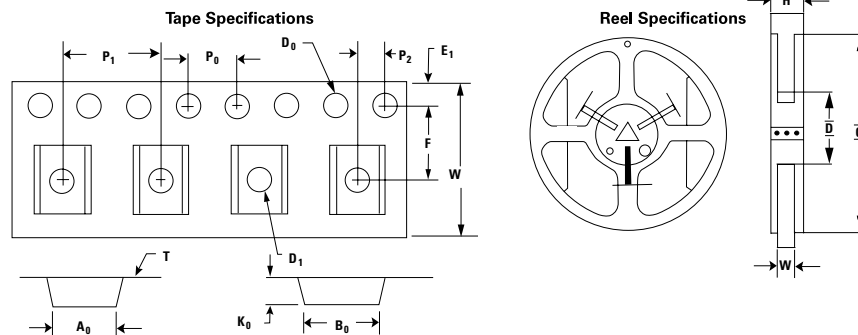


### Packaging Options

| Part Number   | Ordering Number  | Halogen Free | $I_{hold}$ (A) | $I_{hold}$ Code | Packaging Option | Quantity | Quantity/Pack Code |
|---------------|------------------|--------------|----------------|-----------------|------------------|----------|--------------------|
| 1206L005/60   | 1206L005/60VVR   | Yes          | 0.05           | 050             | Tape and Reel    | 3000     | WR                 |
| 1206L010/60   | 1206L010/60VVR   |              | 0.10           | 100             |                  | 3000     | WR                 |
| 1206L012/48   | 1206L012/48VVR   |              | 0.12           | 012             |                  | 3,000    | WR                 |
| 1206L012      | 1206L012VVR      |              | 0.125          | 012             |                  | 3000     | WR                 |
| 1206L016      | 1206L016VVR      |              | 0.16           | 016             |                  | 3000     | WR                 |
| 1206L020/30   | 1206L020/30YR    |              | 0.20           | 020             |                  | 4,000    | YR                 |
| 1206L020      | 1206L020YR       |              | 0.20           | 020             |                  | 4000     | YR                 |
| 1206L025/24   | 1206L025/24YR    |              | 0.25           | 025             |                  | 4,000    | YR                 |
| 1206L025      | 1206L025YR       |              | 0.25           | 025             |                  | 4000     | YR                 |
| 1206L035      | 1206L035YR       |              | 0.35           | 035             |                  | 4000     | YR                 |
| 1206L035/16   | 1206L035/16YR    |              | 0.35           | 035             |                  | 4000     | YR                 |
| 1206L035/30   | 1206L035/30VVR   |              | 0.35           | 350             |                  | 3000     | WR                 |
| 1206L050      | 1206L050YR       |              | 0.50           | 050             |                  | 4000     | YR                 |
| 1206L050/15   | 1206L050/15YR    |              | 0.50           | 050             |                  | 4000     | YR                 |
| 1206L050/24   | 1206L050/24VVR   |              | 0.50           | 500             |                  | 3000     | WR                 |
| 1206L075/13.2 | 1206L075/13.2VVR |              | 0.75           | 075             |                  | 3000     | WR                 |
| 1206L075/16   | 1206L075/16VVR   |              | 0.75           | 075             |                  | 3,000    | WR                 |
| 1206L075TH    | 1206L075THYR     |              | 0.75           | 075             |                  | 4000     | YR                 |
| 1206L110TH    | 1206L110THYR     |              | 1.10           | 110             |                  | 4000     | YR                 |
| 1206L110/16   | 1206L110/16VVR   |              | 1.10           | 110             |                  | 3000     | WR                 |
| 1206L150TH    | 1206L150THVVR    | 1.50         | 150            | 3000            | WR               |          |                    |
| 1206L175      | 1206L175PR       | 1.75         | 175            | 2000            | PR               |          |                    |
| 1206L200      | 1206L200PR       | 2.00         | 200            | 2000            | PR               |          |                    |

### Tape and Reel Specifications

| Tape Specifications: EIA-481-1 (mm) |                     |   |   |  |  | Reel Dimensions:<br>EIA-481-1 (mm) |
|-------------------------------------|---------------------|---|---|--|--|------------------------------------|
| Value                               | Packaging Code "YR" |   | Packaging Code "WR"                                 |  | Packaging Code "PR"  |                                    |
|                                     |                     | 1206L020<br>1206L020/30<br>1206L025<br>1206L025/24<br>1206L035<br>1206L035/16 | 1206L050<br>1206L050/15<br>1206L075TH<br>1206L110TH | 1206L005/60<br>1206L010/60<br>1206L012<br>1206L012/48<br>1206L016<br>1206L035/30 | 1206L050/24<br>1206L075/13.2<br>1206L075/16<br>1206L110/16<br>1206L150TH | 1206L175<br>1206L200               |
| <b>W</b>                            | 8.20+0.10/-0.30     |   | 8.15+0.15/-0.30                                     |  | 8.20+0.10/-0.30  |                                    |
| <b>F</b>                            | 3.50+/-0.05         |   | 3.50+/-0.05   |  | 3.50+/-0.05  |                                    |
| <b>E<sub>1</sub></b>                | 1.75+/-0.10         |   | 1.75+/-0.10   |  | 1.75+/-0.10  |                                    |
| <b>D<sub>0</sub></b>                | 1.55+/-0.05         |   | 1.55+/-0.05   |  | 1.55+/-0.05  |                                    |
| <b>D<sub>1</sub></b>                | 1.00+/-0.10         |   | 1.00+/-0.10   |  | 1.00+/-0.10  |                                    |
| <b>P<sub>0</sub></b>                | 4.00+/-0.10         |   | 4.00+/-0.10   |  | 4.00+/-0.10  |                                    |
| <b>P<sub>1</sub></b>                | 4.00+/-0.10         |   | 4.00+/-0.10   |  | 4.00+/-0.10  |                                    |
| <b>P<sub>2</sub></b>                | 2.00+/-0.05         |   | 2.00+/-0.05   |  | 2.00+/-0.05  |                                    |
| <b>A<sub>0</sub></b>                | 1.95+/-0.10         |   | 1.92+/-0.10   |  | 1.95+/-0.10  |                                    |
| <b>B<sub>0</sub></b>                | 3.65+/-0.10         |   | 3.65+/-0.10   |  | 3.65+/-0.10  |                                    |
| <b>T</b>                            | 0.20+/-0.10         |   | 0.25+/-0.10   |  | 0.25+/-0.10  |                                    |
| <b>K<sub>0</sub></b>                | 0.87+/-0.10         |   | 1.30+/-0.10   |  | 1.70+/-0.10  |                                    |
| Leader min.                         | 390                 |   | 390   |  | 390  |                                    |
| Trailer min.                        | 160                 |   | 160   |  | 160  |                                    |



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