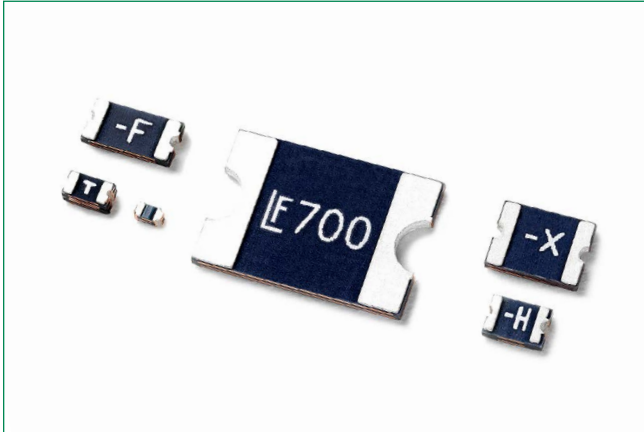


Low Rho Series

PolySwitch® Resettable PPTC



Additional Information



Resources



Accessories



Samples

Agency Approvals

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

Description

Littelfuse Low Rho Surface Mount PPTC (Polymer Positive Temperature Coefficient) devices provide overcurrent protection for applications where ultra low internal resistance, ultra low voltage drop and automatic resettable protection are desired. This new series allows a higher hold current device in a smaller factor and lower profile as compared to a standard PPTC. It offers ultra low internal resistance while maintaining the high level electrical characteristics and performances of standard PPTC products. All devices are UL recognized and TUV approved and have maximum fault current of 50A. They are available in 0402 to 2920 sizes while the hold current ranges from 100mA to 9A.

Features & Benefits

- Ultra low internal resistance
- Very thin profile
- Miniature size saves board space
- Allows a higher hold current device in a smaller factor and lower profile as compared to a standard PPTC
- Fast response to fault currents
- Compatible with high temperature solders
- Broadest range of Hold Current ratings (100mA to 9A)
- RoHS compliant, Lead Free and Halogen Free
- UL recognized and TUV approved



Applications

- USB peripherals including new USB 3.0 / 2.0 ports
- Li-ion / Li-Polymer battery packs
- Smart phones
- Tablet and Notebook PCs
- E-readers
- LCD / LED HDTV
- Computer peripherals
- Digital cameras and video cameras
- Hard disk drives
- Game consoles

Low Rho Series

PolySwitch® Resettable PPTC

Electrical Characteristics

| Part Number | Marking | I _{hold} (A) | I _{trip} (A) | V _{max} (Vdc) | I _{max} (A) | P _d typ. (W) | Maximum Time-To-Trip | | Resistance | | Agency Approvals | |
|---------------|---------|-----------------------|-----------------------|------------------------|----------------------|-------------------------|----------------------|-------------|----------------------|-----------------------|---|---|
| | | | | | | | Current (A) | Time (Sec.) | R _{min} (Ω) | R _{1max} (Ω) |  |  |
| 0402L010SL | - | 0.10 | 0.30 | 6 | 40 | 0.5 | 0.50 | 1.00 | 0.150 | 2.000 | X | X |
| 0402L020SL | - | 0.20 | 0.50 | 6 | 40 | 0.5 | 1.00 | 1.00 | 0.100 | 1.250 | X | X |
| 0402L035SL | - | 0.35 | 0.70 | 6 | 40 | 0.5 | 8.00 | 0.10 | 0.050 | 0.700 | X | X |
| 0402L050SL | - | 0.50 | 1.00 | 6 | 40 | 0.5 | 8.00 | 0.10 | 0.040 | 0.400 | X | X |
| 0402L075SL | - | 0.75 | 1.50 | 6 | 40 | 0.5 | 8.00 | 0.10 | 0.030 | 0.300 | X | X |
| 0402L100SL | - | 1.00 | 2.00 | 6 | 40 | 0.5 | 8.00 | 0.20 | 0.030 | 0.250 | X | X |
| 0603L050SL | K | 0.50 | 1.00 | 6 | 50 | 0.6 | 8.00 | 0.10 | 0.070 | 0.350 | X | X |
| 0603L075SL | N | 0.75 | 1.50 | 6 | 50 | 0.6 | 8.00 | 0.20 | 0.020 | 0.165 | X | X |
| 0603L100SL | S | 1.00 | 1.80 | 6 | 50 | 0.6 | 8.00 | 0.30 | 0.040 | 0.120 | X | X |
| 0603L150SL | T | 1.50 | 3.00 | 6 | 50 | 0.6 | 8.00 | 0.50 | 0.007 | 0.080 | X | X |
| 0603L175SL | V | 1.75 | 3.50 | 6 | 50 | 0.6 | 8.00 | 0.60 | 0.005 | 0.060 | X | X |
| 0603L200SL-V | X | 2.00 | 4.00 | 6 | 50 | 0.6 | 8.00 | 1.00 | 0.005 | 0.040 | X | X |
| 0603L300SL | Y | 3.00 | 6.00 | 6 | 50 | 0.6 | 8.00 | 5.00 | 0.003 | 0.030 | X | X |
| 0805L075SL | -G | 0.75 | 1.50 | 6 | 50 | 0.6 | 8.00 | 0.20 | 0.040 | 0.150 | X | X |
| 0805L110SL | -H | 1.10 | 1.80 | 6 | 50 | 0.6 | 8.00 | 0.30 | 0.030 | 0.120 | X | X |
| 0805L150SL | -K | 1.50 | 3.00 | 6 | 50 | 0.6 | 8.00 | 0.50 | 0.015 | 0.065 | X | X |
| 0805L150/12SL | ●K | 1.50 | 3.00 | 12 | 50 | 0.6 | 8.00 | 0.50 | 0.007 | 0.08 | X | X |
| 0805L175SL | -V | 1.75 | 3.50 | 6 | 50 | 0.6 | 8.00 | 0.60 | 0.005 | 0.055 | X | X |
| 0805L200SLTH | -L | 2.00 | 4.00 | 6 | 50 | 0.6 | 8.00 | 1.00 | 0.005 | 0.045 | X | X |
| 0805L260SLTH | -S | 2.60 | 5.20 | 6 | 50 | 0.6 | 8.00 | 4.00 | 0.003 | 0.035 | X | X |
| 0805L300SL | -N | 3.00 | 6.00 | 6 | 50 | 0.6 | 8.00 | 5.00 | 0.003 | 0.030 | X | X |
| 0805L300SLTH | -N | 3.00 | 6.00 | 6 | 50 | 0.6 | 8.00 | 5.00 | 0.003 | 0.030 | X | X |
| 0805L350SL | -T | 3.50 | 7.00 | 6 | 50 | 0.6 | 8.00 | 5.00 | 0.003 | 0.025 | X | X |
| 0805L400SL | -Y | 4.00 | 9.00 | 6 | 50 | 0.6 | 20.00 | 2.00 | 0.003 | 0.018 | X | X |
| 1206L075SL | -G | 0.75 | 1.50 | 6 | 50 | 0.8 | 8.00 | 0.30 | 0.017 | 0.180 | X | X |
| 1206L110SL | -H | 1.10 | 2.20 | 6 | 50 | 0.8 | 8.00 | 0.30 | 0.015 | 0.100 | X | X |
| 1206L150SL | -K | 1.50 | 3.00 | 6 | 50 | 0.8 | 8.00 | 0.30 | 0.010 | 0.055 | X | X |
| 1206L110/12SL | -H1 | 1.10 | 2.20 | 12 | 50 | 0.8 | 8.00 | 0.30 | 0.015 | 0.130 | X | X |
| 1206L150/12SL | -K1 | 1.50 | 3.00 | 12 | 50 | 0.8 | 8.00 | 0.50 | 0.010 | 0.080 | X | X |
| 1206L175SL | -F | 1.75 | 3.50 | 6 | 50 | 0.8 | 8.00 | 0.40 | 0.005 | 0.030 | X | X |
| 1206L200SL | -L | 2.00 | 4.00 | 6 | 50 | 0.8 | 8.00 | 0.50 | 0.005 | 0.025 | X | X |
| 1206L260SLTH | -S | 2.60 | 5.00 | 6 | 50 | 0.8 | 8.00 | 4.00 | 0.003 | 0.026 | X | X |
| 1206L260/12SL | -S1 | 2.60 | 5.00 | 12 | 50 | 0.8 | 8.00 | 4.00 | 0.003 | 0.055 | X | X |
| 1206L300SLTH | -N | 3.00 | 6.00 | 6 | 50 | 0.8 | 8.00 | 4.00 | 0.003 | 0.020 | X | X |
| 1206L300/12SL | -N1 | 3.00 | 6.00 | 12 | 50 | 0.8 | 8.00 | 4.00 | 0.003 | 0.030 | X | X |
| 1206L350SLTH | -T | 3.50 | 7.00 | 6 | 50 | 0.8 | 8.00 | 5.00 | 0.003 | 0.018 | X | X |
| 1206L350/12SL | CT | 3.50 | 7.00 | 12 | 50 | 0.8 | 8.00 | 5.00 | 0.003 | 0.020 | X | X |
| 1206L380SLTH* | -V | 2.82* | 8.00 | 6 | 50 | 0.8 | 8.00 | 5.00 | 0.002 | 0.014 | X | X |
| 1206L400SL | -Y | 4.00 | 8.00 | 6 | 50 | 0.8 | 20.00 | 2.00 | 0.001 | 0.016 | X | X |
| 1206L400/12SL | CY | 4.00 | 8.00 | 12 | 50 | 0.8 | 20.00 | 2.00 | 0.003 | 0.016 | X | X |
| 1206L450SL | -Z | 4.50 | 9.00 | 6 | 50 | 0.8 | 22.50 | 2.00 | 0.001 | 0.014 | X | X |
| 1206L450/12SL | CZ | 4.50 | 9.00 | 12 | 50 | 1.0 | 22.50 | 2.00 | 0.003 | 0.014 | X | X |

Notes: 0805L150SL and 1206L150SL are ideal for overcurrent protection in VBUS of USB 3.0 / USB 2.0 ports.
 * 1206L380SLTH has I_{hold} 2.82A for at least 15min @ 55°C. It is ideal for overcurrent protection in Li-ion / Li-Polymer battery packs of smartphones.



** 1812L350SL Typical Time-To-Trip is 50A at 0.013-0.020 seconds. R_{1min}=0.015ohm (resistance range 0.015-0.025ohm).

*** 2920L700SL is ideal for overcurrent protection in Li-ion / Li-Polymer battery packs of tablet PC.

Low Rho Series

PolySwitch® Resettable PPTC

Electrical Characteristics (Continued)

| Part Number | Marking | I _{hold} (A) | I _{trip} (A) | V _{max} (Vdc) | I _{max} (A) | P _d typ. (W) | Maximum Time-To-Trip | | Resistance | | Agency Approvals | |
|---------------|---------|--------------------------|--------------------------|---------------------------|-------------------------|----------------------------|----------------------|-------------|----------------------|-----------------------|---|---|
| | | | | | | | Current (A) | Time (Sec.) | R _{min} (Ω) | R _{1max} (Ω) |  |  |
| 1206L500SL-V | -M | 5.00 | 10.00 | 6 | 50 | 1.0 | 25.00 | 2.00 | 0.001 | 0.012 | X | X |
| 1206L500/12SL | CM | 5.00 | 10.00 | 12 | 50 | 1.0 | 25.00 | 2.00 | 0.001 | 0.012 | X | X |
| 1206L600SL | -W | 6.00 | 12.00 | 6 | 50 | 1.0 | 30.00 | 2.00 | 0.001 | 0.010 | X | X |
| 1206L700SL | -X | 7.00 | 14.00 | 6 | 50 | 1.2 | 35.00 | 2.00 | 0.001 | 0.007 | X | X |
| 1210L200SL | -L | 2.00 | 4.00 | 6 | 50 | 0.8 | 8.00 | 3.00 | 0.005 | 0.024 | X | X |
| 1210L260SL | -S | 2.60 | 5.00 | 6 | 50 | 0.8 | 8.00 | 4.00 | 0.003 | 0.020 | X | X |
| 1210L300SL | -N | 3.00 | 6.00 | 6 | 50 | 0.8 | 15.00 | 2.00 | 0.003 | 0.020 | X | X |
| 1210L350SL | -T | 3.50 | 7.00 | 6 | 50 | 0.8 | 17.50 | 2.00 | 0.003 | 0.018 | X | X |
| 1210L400SL | -V | 4.00 | 8.00 | 6 | 50 | 1.0 | 8.00 | 5.00 | 0.001 | 0.014 | X | X |
| 1210L450SL | -Y | 4.50 | 9.00 | 6 | 50 | 1.0 | 22.50 | 2.00 | 0.001 | 0.014 | X | X |
| 1210L450/12SL | CY | 4.50 | 9.00 | 12 | 50 | 1.2 | 22.50 | 2.00 | 0.001 | 0.014 | X | X |
| 1210L500SL | -M | 5.00 | 10.00 | 6 | 50 | 1.2 | 25.00 | 2.00 | 0.001 | 0.012 | X | X |
| 1210L500/12SL | CM | 5.00 | 10.00 | 12 | 50 | 1.2 | 25.00 | 2.00 | 0.001 | 0.012 | X | X |
| 1210L550SL | -R | 5.50 | 11.00 | 6 | 50 | 1.2 | 27.50 | 2.00 | 0.001 | 0.011 | X | X |
| 1210L600SL | -W | 6.00 | 12.00 | 6 | 50 | 1.2 | 30.00 | 2.00 | 0.001 | 0.010 | X | X |
| 1210L700SL | I70 | 7.00 | 14.00 | 6 | 50 | 1.2 | 35.00 | 2.00 | 0.001 | 0.008 | X | X |
| 1210L900SL | -Z | 9.00 | 18.00 | 6 | 50 | 1.4 | 45.00 | 2.00 | 0.001 | 0.0055 | X | X |
| 1812L190SL | LF-19 | 1.90 | 4.90 | 6 | 50 | 1.0 | 9.50 | 4.50 | 0.003 | 0.025 | X | X |
| 1812L260SL | LF-26 | 2.60 | 6.00 | 6 | 50 | 1.0 | 13.00 | 2.00 | 0.003 | 0.024 | X | X |
| 1812L300SL | LF-30 | 3.00 | 7.00 | 6 | 50 | 1.0 | 8.00 | 5.00 | 0.003 | 0.021 | X | X |
| 1812L300/24SL | LF 30J | 3.00 | 6.00 | 24 | 50 | 2.0 | 15.00 | 2.00 | 0.001 | 0.030 | X | X |
| 1812L350SL** | LF-35 | 3.50 | 8.10 | 6 | 50 | 1.0 | 8.00 | 5.00 | 0.003 | 0.020** | X | X |
| 2920L500/24SL | LF 50J | 5.00 | 10.00 | 24 | 50 | 2.2 | 25.00 | 2.00 | 0.001 | 0.018 | X | X |
| 2920L600/24SL | LF 60J | 6.00 | 12.00 | 24 | 50 | 2.5 | 30.00 | 2.00 | 0.001 | 0.012 | X | X |
| 2920L700SL*** | LF700 | 7.00 | 14.00 | 6 | 50 | 2.2 | 35.00 | 2.0 | 0.001 | 0.007 | X | X |
| 2920L700/24SL | LF 70J | 7.00 | 14.00 | 24 | 50 | 2.5 | 35.00 | 2.00 | 0.001 | 0.010 | X | X |

Notes: 0805L150SL and 1206L150SL are ideal for overcurrent protection in VBUS of USB 3.0 / USB 2.0 ports.
 * 1206L380SLTH has I_{hold} 2.82A for at least 15min @ 55°C. It is ideal for overcurrent protection in Li-ion / Li-Polymer battery packs of smartphones.

** 1812L350SL Typical Time-To-Trip is 50A at 0.013-0.020 seconds. R1min=0.015ohm (resistance range 0.015-0.025ohm).

*** 2920L700SL is ideal for overcurrent protection in Li-ion / Li-Polymer battery packs of tablet PC.

Low Rho Series

PolySwitch® Resettable PPTC

Temperature Rerating

| Part Number | Ambient Operation Temperature | | | | | | | |
|---------------|-------------------------------|-------|------|------|------|------|------|------|
| | -40°C | -20°C | 0°C | 20°C | 40°C | 60°C | 70°C | 85°C |
| | Hold Current (A) | | | | | | | |
| 0402L010SL | 0.14 | 0.13 | 0.11 | 0.10 | 0.09 | 0.07 | 0.06 | 0.05 |
| 0402L020SL | 0.29 | 0.26 | 0.23 | 0.20 | 0.18 | 0.15 | 0.13 | 0.09 |
| 0402L035SL | 0.50 | 0.45 | 0.40 | 0.35 | 0.31 | 0.26 | 0.22 | 0.16 |
| 0402L050SL | 0.71 | 0.64 | 0.57 | 0.50 | 0.44 | 0.37 | 0.31 | 0.23 |
| 0402L075SL | 1.05 | 0.95 | 0.85 | 0.75 | 0.65 | 0.55 | 0.45 | 0.30 |
| 0402L100SL | 1.40 | 1.25 | 1.10 | 1.00 | 0.85 | 0.70 | 0.60 | 0.40 |
| 0603L050SL | 0.81 | 0.71 | 0.62 | 0.50 | 0.41 | 0.30 | 0.24 | 0.16 |
| 0603L075SL | 1.23 | 1.08 | 0.94 | 0.75 | 0.61 | 0.45 | 0.36 | 0.23 |
| 0603L100SL | 1.35 | 1.25 | 1.10 | 1.00 | 0.82 | 0.65 | 0.52 | 0.35 |
| 0603L150SL | 2.40 | 2.10 | 1.80 | 1.50 | 1.25 | 0.95 | 0.80 | 0.50 |
| 0603L175SL | 2.50 | 2.25 | 2.00 | 1.75 | 1.55 | 1.30 | 1.10 | 0.80 |
| 0603L200SL-V | 2.85 | 2.60 | 2.30 | 2.00 | 1.70 | 1.45 | 1.25 | 1.05 |
| 0603L300SL | 4.70 | 4.15 | 3.60 | 3.00 | 2.50 | 2.00 | 1.65 | 1.20 |
| 0805L075SL | 1.15 | 1.00 | 0.85 | 0.75 | 0.55 | 0.40 | 0.30 | 0.20 |
| 0805L110SL | 1.70 | 1.50 | 1.30 | 1.10 | 0.85 | 0.60 | 0.50 | 0.30 |
| 0805L150SL | 2.25 | 2.00 | 1.75 | 1.50 | 1.15 | 0.85 | 0.65 | 0.45 |
| 0805L150/12SL | 2.10 | 1.90 | 1.70 | 1.50 | 1.30 | 1.00 | 0.85 | 0.60 |
| 0805L175SL | 2.60 | 2.30 | 2.00 | 1.75 | 1.30 | 0.95 | 0.75 | 0.50 |
| 0805L200SLTH | 3.10 | 2.75 | 2.40 | 2.00 | 1.65 | 1.15 | 0.95 | 0.65 |
| 0805L260SLTH | 3.80 | 3.30 | 2.90 | 2.60 | 2.20 | 1.75 | 1.50 | 1.05 |
| 0805L300SL | 4.70 | 4.15 | 3.60 | 3.00 | 2.50 | 2.00 | 1.65 | 1.20 |
| 0805L300SLTH | 3.90 | 3.60 | 3.30 | 3.00 | 2.60 | 2.10 | 1.90 | 1.60 |
| 0805L350SL | 5.05 | 4.55 | 4.00 | 3.50 | 3.00 | 2.55 | 2.25 | 1.90 |
| 0805L400SL | 5.80 | 5.20 | 4.60 | 4.00 | 3.40 | 3.00 | 2.60 | 2.20 |
| 1206L075SL | 1.30 | 1.13 | 0.92 | 0.75 | 0.58 | 0.38 | 0.31 | 0.14 |
| 1206L110SL | 1.90 | 1.65 | 1.35 | 1.10 | 0.85 | 0.55 | 0.45 | 0.20 |
| 1206L150SL | 2.65 | 2.30 | 1.90 | 1.50 | 1.15 | 0.70 | 0.50 | 0.25 |
| 1206L110/12SL | 1.65 | 1.45 | 1.30 | 1.10 | 0.85 | 0.65 | 0.55 | 0.30 |
| 1206L150/12SL | 2.25 | 2.00 | 1.80 | 1.50 | 1.20 | 0.90 | 0.75 | 0.55 |
| 1206L175SL | 2.60 | 2.45 | 2.00 | 1.75 | 1.35 | 1.05 | 0.90 | 0.60 |
| 1206L200SL | 2.95 | 2.80 | 2.30 | 2.00 | 1.55 | 1.20 | 1.00 | 0.70 |
| 1206L260SLTH | 4.05 | 3.60 | 3.12 | 2.60 | 2.15 | 1.70 | 1.40 | 1.00 |
| 1206L260/12SL | 3.70 | 3.40 | 3.00 | 2.60 | 2.20 | 1.75 | 1.55 | 1.05 |
| 1206L300SLTH | 4.70 | 4.15 | 3.60 | 3.00 | 2.50 | 2.00 | 1.65 | 1.20 |
| 1206L300/12SL | 4.25 | 3.90 | 3.45 | 3.00 | 2.50 | 2.00 | 1.75 | 1.20 |
| 1206L350SLTH | 5.50 | 4.85 | 4.15 | 3.50 | 2.85 | 2.25 | 1.90 | 1.40 |
| 1206L350/12SL | 5.25 | 4.65 | 4.20 | 3.50 | 2.80 | 2.10 | 1.75 | 1.25 |
| 1206L380SLTH | 5.59 | 5.05 | 4.48 | 3.80 | 3.23 | 2.70 | 2.17 | 1.98 |
| 1206L400SL | 5.75 | 5.25 | 4.65 | 4.00 | 3.40 | 2.75 | 2.40 | 1.65 |
| 1206L400/12SL | 6.00 | 5.30 | 4.80 | 4.00 | 3.20 | 2.40 | 2.00 | 1.40 |
| 1206L450SL | 6.50 | 5.95 | 5.25 | 4.50 | 3.85 | 3.10 | 2.70 | 1.90 |
| 1206L450/12SL | 6.75 | 5.95 | 5.40 | 4.50 | 3.60 | 2.70 | 2.25 | 1.60 |

Notes: The temperature rerating data is for reference only. Please contact Littelfuse technical support for detail temperature rerating information.

Low Rho Series

PolySwitch® Resettable PPTC

Temperature Derating (Continued)

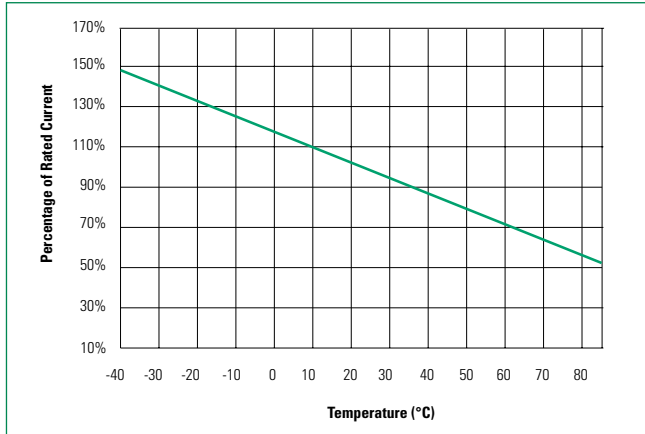
| Part Number | Ambient Operation Temperature | | | | | | | |
|---------------|-------------------------------|-------|-------|------|------|------|------|------|
| | -40°C | -20°C | 0°C | 20°C | 40°C | 60°C | 70°C | 85°C |
| | Hold Current (A) | | | | | | | |
| 1206L500SLV | 7.20 | 6.50 | 5.85 | 5.00 | 4.45 | 3.75 | 3.40 | 2.85 |
| 1206L500/12SL | 7.20 | 6.60 | 5.80 | 5.00 | 4.25 | 3.40 | 3.00 | 2.10 |
| 1206L600SL | 8.65 | 7.80 | 7.00 | 6.00 | 5.30 | 4.50 | 4.05 | 3.40 |
| 1206L700SL | 9.50 | 8.65 | 7.80 | 7.00 | 5.95 | 5.05 | 4.45 | 3.90 |
| 1210L200SL | 3.30 | 2.80 | 2.40 | 2.00 | 1.90 | 1.60 | 1.40 | 1.00 |
| 1210L260SL | 4.20 | 3.75 | 3.30 | 2.60 | 2.20 | 1.70 | 1.45 | 1.05 |
| 1210L300SL | 4.70 | 4.15 | 3.60 | 3.00 | 2.50 | 1.90 | 1.70 | 1.20 |
| 1210L350SL | 5.00 | 4.60 | 4.05 | 3.50 | 2.80 | 2.00 | 1.75 | 1.20 |
| 1210L400SL | 5.70 | 5.25 | 4.60 | 4.00 | 3.20 | 2.25 | 1.90 | 1.30 |
| 1210L450SL | 7.15 | 6.25 | 5.30 | 4.50 | 3.45 | 2.50 | 2.00 | 0.85 |
| 1210L450/12SL | 6.45 | 5.85 | 5.15 | 4.50 | 3.95 | 3.30 | 3.00 | 2.45 |
| 1210L500SL | 7.20 | 6.50 | 5.85 | 5.00 | 4.45 | 3.75 | 3.40 | 2.85 |
| 1210L500/12SL | 7.20 | 6.50 | 5.75 | 5.00 | 4.40 | 3.75 | 3.35 | 2.75 |
| 1210L550SL | 8.00 | 7.15 | 6.35 | 5.50 | 4.90 | 4.10 | 3.70 | 3.05 |
| 1210L600SL | 8.65 | 7.80 | 7.00 | 6.00 | 5.30 | 4.50 | 4.05 | 3.40 |
| 1210L700SL | 10.15 | 9.10 | 8.10 | 7.00 | 6.25 | 5.25 | 4.70 | 3.90 |
| 1210L900SL | 13.05 | 11.70 | 10.40 | 9.00 | 8.00 | 6.75 | 6.05 | 5.00 |
| 1812L190SL | 2.91 | 2.57 | 2.20 | 1.90 | 1.78 | 1.50 | 1.40 | 1.05 |
| 1812L260SL | 4.00 | 3.65 | 2.90 | 2.60 | 1.90 | 1.60 | 1.20 | 0.85 |
| 1812L300SL | 4.35 | 3.90 | 3.45 | 3.00 | 2.65 | 2.25 | 2.00 | 1.65 |
| 1812L300/24SL | 4.95 | 4.35 | 3.75 | 3.00 | 2.45 | 1.85 | 1.55 | 1.05 |
| 1812L350SL | 5.40 | 4.95 | 3.90 | 3.50 | 2.60 | 2.15 | 1.65 | 1.20 |
| 2920L500/24SL | 8.20 | 7.25 | 6.25 | 5.00 | 4.25 | 3.25 | 2.80 | 2.05 |
| 2920L600/24SL | 10.15 | 8.90 | 7.65 | 6.00 | 5.15 | 3.90 | 3.25 | 2.35 |
| 2920L700SL | 10.00 | 9.20 | 8.10 | 7.00 | 5.60 | 4.00 | 3.50 | 2.40 |
| 2920L700/24SL | 11.52 | 10.08 | 8.65 | 7.00 | 5.78 | 4.35 | 3.63 | 2.55 |

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

Low Rho Series

PolySwitch® Resettable PPTC

Temperature Derating Curve



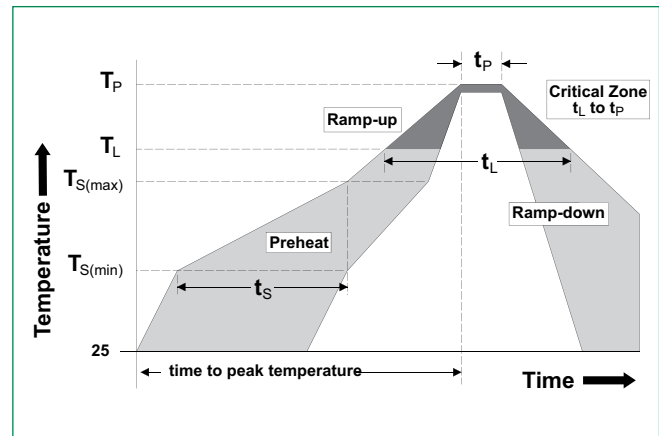
Environmental Specifications

| | |
|--|---|
| Operating Temperature | -40°C to +85°C |
| Maximum Device Surface Temperature in Tripped State | 125°C |
| Passive Aging | +85°C, 1000 hours -/+10% typical resistance change |
| Humidity Aging | +85°C, 85% R.H., 100 hours -/+15% typical resistance change |
| Thermal Shock | MIL-STD-202, Method 107 +85°C/-40°C 20 times -30% typical resistance change |
| Solvent Resistance | MIL-STD-202, Method 215 No change |
| Vibration | MIL-STD-883, Method 2007, Condition A No change |
| Moisture Sensitivity Level | Level 1, J-STD-020 |

Note: MSL level 2a for 2920 size product

Soldering Parameters

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



Physical Specifications

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

Dimension Figures

Figure 1

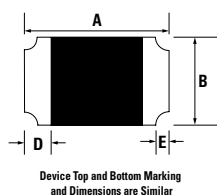


Figure 2

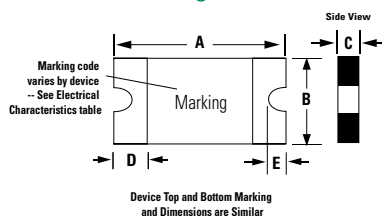
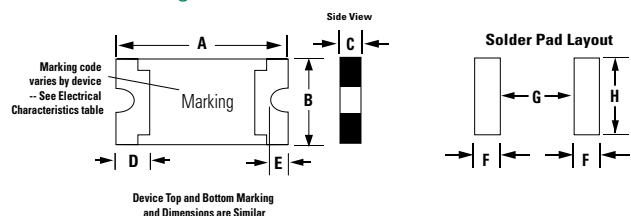


Figure 3



Low Rho Series

PolySwitch® Resettable PPTC

Dimensions

| Part Number | Device Dimension | | | | | | | | | | | | | | | | Solder Pad | | | | | | Figure | | | | |
|---------------|------------------|------|------|------|------|------|------|------|------|------|------|------|-------|------|------|------|------------|------|------|------|------|-------|--------|------|------|------|---|
| | A | | | | B | | | | C | | | | D | | | | E | | F | | G | | | H | | | |
| | inch | | mm | | inch | | mm | | inch | | mm | | inch | | mm | | inch | | mm | | inch | | | mm | | | |
| | Min | Max | Min | Max | Min | Max | Min | Max | Min | Max | Min | Max | Min | Max | Min | Max | Min | Max | Min | Max | In | mm | In | mm | In | mm | |
| 0402L010SL | 0.03 | 0.05 | 0.85 | 1.15 | 0.01 | 0.03 | 0.35 | 0.65 | 0.01 | 0.02 | 0.20 | 0.60 | 0.004 | 0.02 | 0.10 | 0.45 | - | 0.02 | - | 0.40 | 0.02 | 0.435 | 0.02 | 0.50 | 0.02 | 0.60 | 1 |
| 0402L020SL | 0.03 | 0.05 | 0.85 | 1.15 | 0.01 | 0.03 | 0.35 | 0.65 | 0.01 | 0.02 | 0.20 | 0.60 | 0.004 | 0.02 | 0.10 | 0.45 | - | 0.02 | - | 0.40 | 0.02 | 0.435 | 0.02 | 0.50 | 0.02 | 0.60 | 1 |
| 0402L035SL | 0.03 | 0.05 | 0.85 | 1.15 | 0.01 | 0.03 | 0.35 | 0.65 | 0.01 | 0.02 | 0.20 | 0.60 | 0.004 | 0.02 | 0.10 | 0.45 | - | 0.02 | - | 0.40 | 0.02 | 0.435 | 0.02 | 0.50 | 0.02 | 0.60 | 1 |
| 0402L050SL | 0.03 | 0.05 | 0.85 | 1.15 | 0.01 | 0.03 | 0.35 | 0.65 | 0.01 | 0.02 | 0.20 | 0.60 | 0.004 | 0.02 | 0.10 | 0.45 | - | 0.02 | - | 0.40 | 0.02 | 0.435 | 0.02 | 0.50 | 0.02 | 0.60 | 1 |
| 0402L075SL | 0.03 | 0.05 | 0.85 | 1.15 | 0.01 | 0.03 | 0.35 | 0.65 | 0.01 | 0.02 | 0.20 | 0.60 | 0.004 | 0.02 | 0.10 | 0.45 | - | 0.02 | - | 0.40 | 0.02 | 0.435 | 0.02 | 0.50 | 0.02 | 0.60 | 1 |
| 0402L100SL | 0.03 | 0.05 | 0.85 | 1.15 | 0.01 | 0.03 | 0.35 | 0.65 | 0.01 | 0.02 | 0.20 | 0.60 | 0.004 | 0.02 | 0.10 | 0.45 | - | 0.02 | - | 0.40 | 0.02 | 0.435 | 0.02 | 0.50 | 0.02 | 0.60 | 1 |
| 0603L050SL | 0.06 | 0.07 | 1.40 | 1.80 | 0.02 | 0.04 | 0.60 | 1.00 | 0.02 | 0.03 | 0.40 | 0.75 | 0.01 | 0.02 | 0.15 | 0.50 | - | 0.02 | - | 0.40 | 0.04 | 1.00 | 0.03 | 0.80 | 0.04 | 1.00 | 2 |
| 0603L075SL | 0.06 | 0.07 | 1.40 | 1.80 | 0.02 | 0.04 | 0.60 | 1.00 | 0.02 | 0.03 | 0.40 | 0.75 | 0.01 | 0.02 | 0.15 | 0.50 | - | 0.02 | - | 0.40 | 0.04 | 1.00 | 0.03 | 0.80 | 0.04 | 1.00 | 3 |
| 0603L100SL | 0.06 | 0.07 | 1.40 | 1.80 | 0.02 | 0.04 | 0.60 | 1.00 | 0.02 | 0.03 | 0.40 | 0.75 | 0.01 | 0.02 | 0.15 | 0.50 | - | 0.02 | - | 0.40 | 0.04 | 1.00 | 0.03 | 0.80 | 0.04 | 1.00 | 3 |
| 0603L150SL | 0.06 | 0.07 | 1.40 | 1.80 | 0.02 | 0.04 | 0.60 | 1.00 | 0.02 | 0.04 | 0.40 | 1.00 | 0.01 | 0.02 | 0.15 | 0.50 | - | 0.02 | - | 0.40 | 0.04 | 1.00 | 0.03 | 0.80 | 0.04 | 1.00 | 2 |
| 0603L175SL | 0.06 | 0.07 | 1.40 | 1.80 | 0.02 | 0.04 | 0.60 | 1.00 | 0.02 | 0.04 | 0.40 | 1.00 | 0.01 | 0.02 | 0.15 | 0.50 | - | 0.02 | - | 0.40 | 0.04 | 1.00 | 0.03 | 0.80 | 0.04 | 1.00 | 3 |
| 0603L200SL-V | 0.06 | 0.07 | 1.40 | 1.80 | 0.02 | 0.04 | 0.60 | 1.00 | 0.02 | 0.04 | 0.40 | 1.00 | 0.01 | 0.02 | 0.15 | 0.50 | - | 0.02 | - | 0.40 | 0.04 | 1.00 | 0.03 | 0.80 | 0.04 | 1.00 | 3 |
| 0603L300SL | 0.06 | 0.07 | 1.40 | 1.80 | 0.02 | 0.04 | 0.60 | 1.00 | 0.02 | 0.04 | 0.40 | 1.00 | 0.01 | 0.02 | 0.15 | 0.50 | - | 0.02 | - | 0.40 | 0.04 | 1.00 | 0.03 | 0.80 | 0.04 | 1.00 | 3 |
| 0805L075SL | 0.08 | 0.09 | 2.00 | 2.20 | 0.05 | 0.06 | 1.20 | 1.50 | 0.02 | 0.03 | 0.40 | 0.75 | 0.01 | 0.02 | 0.20 | 0.55 | 0.002 | 0.02 | 0.05 | 0.45 | 0.04 | 1.00 | 0.05 | 1.20 | 0.06 | 1.50 | 2 |
| 0805L110SL | 0.08 | 0.09 | 2.00 | 2.20 | 0.05 | 0.06 | 1.20 | 1.50 | 0.02 | 0.03 | 0.40 | 0.75 | 0.01 | 0.02 | 0.20 | 0.55 | 0.002 | 0.02 | 0.05 | 0.45 | 0.04 | 1.00 | 0.05 | 1.20 | 0.06 | 1.50 | 2 |
| 0805L150SL | 0.08 | 0.09 | 2.00 | 2.20 | 0.05 | 0.06 | 1.20 | 1.50 | 0.02 | 0.03 | 0.40 | 0.75 | 0.01 | 0.02 | 0.20 | 0.55 | 0.002 | 0.02 | 0.05 | 0.45 | 0.04 | 1.00 | 0.05 | 1.20 | 0.06 | 1.50 | 2 |
| 0805L150/12SL | 0.08 | 0.09 | 2.00 | 2.20 | 0.05 | 0.06 | 1.20 | 1.50 | 0.02 | 0.03 | 0.40 | 0.75 | 0.01 | 0.02 | 0.20 | 0.55 | 0.002 | 0.02 | 0.05 | 0.45 | 0.04 | 1.00 | 0.05 | 1.20 | 0.06 | 1.50 | 2 |
| 0805L175SL | 0.08 | 0.09 | 2.00 | 2.20 | 0.05 | 0.06 | 1.20 | 1.50 | 0.02 | 0.02 | 0.40 | 0.60 | 0.01 | 0.02 | 0.20 | 0.55 | 0.002 | 0.02 | 0.05 | 0.45 | 0.04 | 1.00 | 0.05 | 1.20 | 0.06 | 1.50 | 2 |
| 0805L200SLTH | 0.08 | 0.09 | 2.00 | 2.20 | 0.05 | 0.06 | 1.20 | 1.50 | 0.02 | 0.03 | 0.40 | 0.75 | 0.01 | 0.02 | 0.20 | 0.55 | 0.002 | 0.02 | 0.05 | 0.45 | 0.04 | 1.00 | 0.05 | 1.20 | 0.06 | 1.50 | 2 |
| 0805L260SLTH | 0.08 | 0.09 | 2.00 | 2.20 | 0.05 | 0.06 | 1.20 | 1.50 | 0.02 | 0.03 | 0.40 | 0.75 | 0.01 | 0.02 | 0.20 | 0.55 | 0.002 | 0.02 | 0.05 | 0.45 | 0.04 | 1.00 | 0.05 | 1.20 | 0.06 | 1.50 | 2 |
| 0805L300SL | 0.08 | 0.09 | 2.00 | 2.20 | 0.05 | 0.06 | 1.20 | 1.50 | 0.02 | 0.06 | 0.60 | 1.40 | 0.01 | 0.02 | 0.20 | 0.55 | 0.002 | 0.02 | 0.05 | 0.45 | 0.04 | 1.00 | 0.05 | 1.20 | 0.06 | 1.50 | 2 |
| 0805L300SLTH | 0.08 | 0.09 | 2.00 | 2.20 | 0.05 | 0.06 | 1.20 | 1.50 | 0.02 | 0.03 | 0.40 | 0.75 | 0.01 | 0.02 | 0.20 | 0.55 | 0.002 | 0.02 | 0.05 | 0.45 | 0.04 | 1.00 | 0.05 | 1.20 | 0.06 | 1.50 | 3 |
| 0805L350SL | 0.08 | 0.09 | 2.00 | 2.20 | 0.05 | 0.06 | 1.20 | 1.50 | 0.02 | 0.06 | 0.60 | 1.40 | 0.01 | 0.02 | 0.20 | 0.55 | 0.002 | 0.02 | 0.05 | 0.45 | 0.04 | 1.00 | 0.05 | 1.20 | 0.06 | 1.50 | 3 |
| 0805L400SL | 0.08 | 0.09 | 2.00 | 2.20 | 0.05 | 0.06 | 1.20 | 1.50 | 0.02 | 0.06 | 0.60 | 1.40 | 0.01 | 0.02 | 0.20 | 0.55 | 0.002 | 0.02 | 0.05 | 0.45 | 0.04 | 1.00 | 0.05 | 1.20 | 0.06 | 1.50 | 3 |
| 1206L075SL | 0.12 | 0.13 | 3.00 | 3.40 | 0.06 | 0.07 | 1.50 | 1.80 | 0.02 | 0.03 | 0.40 | 0.70 | 0.01 | 0.03 | 0.25 | 0.75 | 0.002 | 0.02 | 0.05 | 0.45 | 0.04 | 1.00 | 0.07 | 1.80 | 0.07 | 1.80 | 2 |
| 1206L110SL | 0.12 | 0.13 | 3.00 | 3.40 | 0.06 | 0.07 | 1.50 | 1.80 | 0.02 | 0.03 | 0.40 | 0.75 | 0.01 | 0.03 | 0.25 | 0.75 | 0.002 | 0.02 | 0.05 | 0.45 | 0.04 | 1.00 | 0.07 | 1.80 | 0.07 | 1.80 | 2 |
| 1206L150SL | 0.12 | 0.13 | 3.00 | 3.40 | 0.06 | 0.07 | 1.50 | 1.80 | 0.02 | 0.03 | 0.40 | 0.70 | 0.01 | 0.03 | 0.25 | 0.75 | 0.002 | 0.02 | 0.05 | 0.45 | 0.04 | 1.00 | 0.07 | 1.80 | 0.07 | 1.80 | 2 |
| 1206L110/12SL | 0.12 | 0.13 | 3.00 | 3.40 | 0.06 | 0.07 | 1.50 | 1.80 | 0.02 | 0.03 | 0.50 | 0.85 | 0.01 | 0.03 | 0.25 | 0.75 | 0.002 | 0.02 | 0.05 | 0.45 | 0.04 | 1.00 | 0.07 | 1.80 | 0.07 | 1.80 | 2 |
| 1206L150/12SL | 0.12 | 0.13 | 3.00 | 3.40 | 0.06 | 0.07 | 1.50 | 1.80 | 0.02 | 0.03 | 0.50 | 0.85 | 0.01 | 0.03 | 0.25 | 0.75 | 0.002 | 0.02 | 0.05 | 0.45 | 0.04 | 1.00 | 0.07 | 1.80 | 0.07 | 1.80 | 2 |
| 1206L175SL | 0.12 | 0.13 | 3.00 | 3.40 | 0.06 | 0.07 | 1.50 | 1.80 | 0.02 | 0.02 | 0.40 | 0.60 | 0.01 | 0.03 | 0.25 | 0.75 | 0.002 | 0.02 | 0.05 | 0.45 | 0.04 | 1.00 | 0.07 | 1.80 | 0.07 | 1.80 | 2 |
| 1206L200SL | 0.12 | 0.13 | 3.00 | 3.40 | 0.06 | 0.07 | 1.50 | 1.80 | 0.02 | 0.02 | 0.40 | 0.60 | 0.01 | 0.03 | 0.25 | 0.75 | 0.002 | 0.02 | 0.05 | 0.45 | 0.04 | 1.00 | 0.07 | 1.80 | 0.07 | 1.80 | 2 |
| 1206L260SLTH | 0.12 | 0.13 | 3.00 | 3.40 | 0.06 | 0.07 | 1.50 | 1.80 | 0.02 | 0.03 | 0.40 | 0.70 | 0.01 | 0.03 | 0.25 | 0.75 | 0.002 | 0.02 | 0.05 | 0.45 | 0.04 | 1.00 | 0.07 | 1.80 | 0.07 | 1.80 | 2 |
| 1206L260/12SL | 0.12 | 0.13 | 3.00 | 3.40 | 0.06 | 0.07 | 1.50 | 1.80 | 0.02 | 0.03 | 0.40 | 0.75 | 0.01 | 0.03 | 0.25 | 0.75 | 0.002 | 0.02 | 0.05 | 0.45 | 0.04 | 1.00 | 0.07 | 1.80 | 0.07 | 1.80 | 3 |
| 1206L300SLTH | 0.12 | 0.13 | 3.00 | 3.40 | 0.06 | 0.07 | 1.50 | 1.80 | 0.02 | 0.03 | 0.40 | 0.80 | 0.01 | 0.03 | 0.25 | 0.75 | 0.002 | 0.02 | 0.05 | 0.45 | 0.04 | 1.00 | 0.07 | 1.80 | 0.07 | 1.80 | 2 |
| 1206L300/12SL | 0.12 | 0.13 | 3.00 | 3.40 | 0.06 | 0.07 | 1.50 | 1.80 | 0.02 | 0.03 | 0.40 | 0.75 | 0.01 | 0.03 | 0.25 | 0.75 | 0.002 | 0.02 | 0.05 | 0.45 | 0.04 | 1.00 | 0.07 | 1.80 | 0.07 | 1.80 | 3 |
| 1206L350SLTH | 0.12 | 0.13 | 3.00 | 3.40 | 0.06 | 0.07 | 1.50 | 1.80 | 0.02 | 0.03 | 0.40 | 0.75 | 0.01 | 0.03 | 0.25 | 0.75 | 0.002 | 0.02 | 0.05 | 0.45 | 0.04 | 1.00 | 0.07 | 1.80 | 0.07 | 1.80 | 2 |
| 1206L350/12SL | 0.12 | 0.13 | 3.00 | 3.40 | 0.06 | 0.07 | 1.50 | 1.80 | 0.03 | 0.06 | 0.80 | 1.40 | 0.01 | 0.03 | 0.25 | 0.75 | 0.002 | 0.02 | 0.05 | 0.45 | 0.04 | 1.00 | 0.07 | 1.80 | 0.07 | 1.80 | 3 |
| 1206L380SLTH | 0.12 | 0.13 | 3.00 | 3.40 | 0.06 | 0.07 | 1.50 | 1.80 | 0.02 | 0.03 | 0.40 | 0.70 | 0.01 | 0.03 | 0.25 | 0.75 | 0.002 | 0.02 | 0.05 | 0.45 | 0.04 | 1.00 | 0.07 | 1.80 | 0.07 | 1.80 | 2 |
| 1206L400SL | 0.12 | 0.13 | 3.00 | 3.40 | 0.06 | 0.07 | 1.50 | 1.80 | 0.02 | 0.06 | 0.60 | 1.40 | 0.01 | 0.03 | 0.25 | 0.75 | 0.002 | 0.02 | 0.05 | 0.45 | 0.04 | 1.00 | 0.07 | 1.80 | 0.07 | 1.80 | 2 |
| 1206L400/12SL | 0.12 | 0.13 | 3.00 | 3.40 | 0.06 | 0.07 | 1.50 | 1.80 | 0.03 | 0.06 | 0.80 | 1.40 | 0.01 | 0.03 | 0.25 | 0.75 | 0.002 | 0.02 | 0.05 | 0.45 | 0.04 | 1.00 | 0.07 | 1.80 | 0.07 | 1.80 | 3 |

Low Rho Series

PolySwitch® Resettable PPTC

Dimensions (Continued)

| Part Number | Device Dimension | | | | | | | | | | | | | | | | | | Solder Pad | | | | | | Figure | | |
|---------------|------------------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|-------|------|------------|------|------|------|------|------|--------|------|----|
| | A | | | | B | | | | C | | | | D | | | | E | | | | F | | G | | | H | |
| | inch | | mm | | inch | | mm | | inch | | mm | | inch | | mm | | inch | | mm | | In | mm | In | mm | | In | mm |
| | Min | Max | Min | Max | Min | Max | Min | Max | Min | Max | Min | Max | Min | Max | Min | Max | Min | Max | Min | Max | | | | | | | |
| 1206L450SL | 0.12 | 0.13 | 3.00 | 3.40 | 0.06 | 0.07 | 1.50 | 1.80 | 0.02 | 0.06 | 0.60 | 1.40 | 0.01 | 0.03 | 0.25 | 0.75 | 0.002 | 0.02 | 0.05 | 0.45 | 0.04 | 1.00 | 0.07 | 1.80 | 0.07 | 1.80 | 2 |
| 1206L450/12SL | 0.12 | 0.13 | 3.00 | 3.40 | 0.06 | 0.07 | 1.50 | 1.80 | 0.03 | 0.06 | 0.80 | 1.40 | 0.01 | 0.03 | 0.25 | 0.75 | 0.002 | 0.02 | 0.05 | 0.45 | 0.04 | 1.00 | 0.07 | 1.80 | 0.07 | 1.80 | 3 |
| 1206L500SL-V | 0.12 | 0.13 | 3.00 | 3.40 | 0.06 | 0.07 | 1.50 | 1.80 | 0.02 | 0.04 | 0.60 | 1.00 | 0.01 | 0.03 | 0.25 | 0.75 | 0.002 | 0.02 | 0.05 | 0.45 | 0.04 | 1.00 | 0.07 | 1.80 | 0.07 | 1.80 | 3 |
| 1206L500/12SL | 0.12 | 0.13 | 3.00 | 3.40 | 0.06 | 0.07 | 1.50 | 1.80 | 0.03 | 0.06 | 0.80 | 1.40 | 0.01 | 0.03 | 0.25 | 0.75 | 0.002 | 0.02 | 0.05 | 0.45 | 0.04 | 1.00 | 0.07 | 1.80 | 0.07 | 1.80 | 3 |
| 1206L600SL | 0.12 | 0.13 | 3.00 | 3.40 | 0.06 | 0.07 | 1.50 | 1.80 | 0.02 | 0.05 | 0.60 | 1.20 | 0.01 | 0.03 | 0.25 | 0.75 | 0.002 | 0.02 | 0.05 | 0.45 | 0.04 | 1.00 | 0.07 | 1.80 | 0.07 | 1.80 | 3 |
| 1206L700SL | 0.12 | 0.13 | 3.00 | 3.40 | 0.06 | 0.07 | 1.50 | 1.80 | 0.04 | 0.06 | 1.00 | 1.40 | 0.01 | 0.03 | 0.25 | 0.75 | 0.002 | 0.02 | 0.05 | 0.45 | 0.04 | 1.00 | 0.07 | 1.80 | 0.07 | 1.80 | 3 |
| 1210L200SL | 0.12 | 0.14 | 3.00 | 3.43 | 0.09 | 0.11 | 2.35 | 2.80 | 0.02 | 0.03 | 0.40 | 0.70 | 0.01 | 0.03 | 0.25 | 0.75 | 0.004 | 0.02 | 0.10 | 0.50 | 0.04 | 1.00 | 0.08 | 2.00 | 0.10 | 2.50 | 2 |
| 1210L260SL | 0.12 | 0.14 | 3.00 | 3.43 | 0.09 | 0.11 | 2.35 | 2.80 | 0.02 | 0.03 | 0.40 | 0.70 | 0.01 | 0.03 | 0.25 | 0.75 | 0.004 | 0.02 | 0.10 | 0.50 | 0.04 | 1.00 | 0.08 | 2.00 | 0.10 | 2.50 | 2 |
| 1210L300SL | 0.12 | 0.14 | 3.00 | 3.43 | 0.09 | 0.11 | 2.35 | 2.80 | 0.02 | 0.05 | 0.60 | 1.20 | 0.01 | 0.03 | 0.25 | 0.75 | 0.004 | 0.02 | 0.10 | 0.50 | 0.04 | 1.00 | 0.08 | 2.00 | 0.10 | 2.50 | 2 |
| 1210L350SL | 0.12 | 0.14 | 3.00 | 3.43 | 0.09 | 0.11 | 2.35 | 2.80 | 0.02 | 0.04 | 0.60 | 1.00 | 0.01 | 0.03 | 0.25 | 0.75 | 0.004 | 0.02 | 0.10 | 0.50 | 0.04 | 1.00 | 0.08 | 2.00 | 0.10 | 2.50 | 2 |
| 1210L400SL | 0.12 | 0.14 | 3.00 | 3.43 | 0.09 | 0.11 | 2.35 | 2.80 | 0.02 | 0.04 | 0.60 | 1.00 | 0.01 | 0.03 | 0.25 | 0.75 | 0.004 | 0.02 | 0.10 | 0.50 | 0.04 | 1.00 | 0.08 | 2.00 | 0.10 | 2.50 | 2 |
| 1210L450SL | 0.12 | 0.14 | 3.00 | 3.43 | 0.09 | 0.11 | 2.35 | 2.80 | 0.02 | 0.05 | 0.60 | 1.20 | 0.01 | 0.03 | 0.25 | 0.75 | 0.004 | 0.02 | 0.10 | 0.50 | 0.04 | 1.00 | 0.08 | 2.00 | 0.10 | 2.50 | 2 |
| 1210L450/12SL | 0.12 | 0.14 | 3.00 | 3.43 | 0.09 | 0.11 | 2.35 | 2.80 | 0.03 | 0.06 | 0.80 | 1.40 | 0.01 | 0.03 | 0.25 | 0.75 | 0.004 | 0.02 | 0.10 | 0.50 | 0.04 | 1.00 | 0.08 | 2.00 | 0.10 | 2.50 | 3 |
| 1210L500SL | 0.12 | 0.14 | 3.00 | 3.43 | 0.09 | 0.11 | 2.35 | 2.80 | 0.02 | 0.04 | 0.60 | 1.00 | 0.01 | 0.03 | 0.25 | 0.75 | 0.004 | 0.02 | 0.10 | 0.50 | 0.04 | 1.00 | 0.08 | 2.00 | 0.10 | 2.50 | 3 |
| 1210L500/12SL | 0.12 | 0.14 | 3.00 | 3.43 | 0.09 | 0.11 | 2.35 | 2.80 | 0.03 | 0.06 | 0.80 | 1.40 | 0.01 | 0.03 | 0.25 | 0.75 | 0.004 | 0.02 | 0.10 | 0.50 | 0.04 | 1.00 | 0.08 | 2.00 | 0.10 | 2.50 | 3 |
| 1210L550SL | 0.12 | 0.14 | 3.00 | 3.43 | 0.09 | 0.11 | 2.35 | 2.80 | 0.02 | 0.04 | 0.60 | 1.00 | 0.01 | 0.03 | 0.25 | 0.75 | 0.004 | 0.02 | 0.10 | 0.50 | 0.04 | 1.00 | 0.08 | 2.00 | 0.10 | 2.50 | 3 |
| 1210L600SL | 0.12 | 0.14 | 3.00 | 3.43 | 0.09 | 0.11 | 2.35 | 2.80 | 0.02 | 0.04 | 0.60 | 1.00 | 0.01 | 0.03 | 0.25 | 0.75 | 0.004 | 0.02 | 0.10 | 0.50 | 0.04 | 1.00 | 0.08 | 2.00 | 0.10 | 2.50 | 3 |
| 1210L700SL | 0.12 | 0.14 | 3.00 | 3.43 | 0.09 | 0.11 | 2.35 | 2.80 | 0.02 | 0.05 | 0.60 | 1.20 | 0.01 | 0.03 | 0.25 | 0.75 | 0.004 | 0.02 | 0.10 | 0.50 | 0.04 | 1.00 | 0.08 | 2.00 | 0.10 | 2.50 | 3 |
| 1210L900SL | 0.12 | 0.14 | 3.00 | 3.43 | 0.09 | 0.11 | 2.35 | 2.80 | 0.04 | 0.06 | 1.00 | 1.40 | 0.01 | 0.03 | 0.25 | 0.75 | 0.004 | 0.02 | 0.10 | 0.50 | 0.04 | 1.00 | 0.08 | 2.00 | 0.10 | 2.50 | 3 |
| 1812L190SL | 0.17 | 0.19 | 4.37 | 4.73 | 0.12 | 0.13 | 3.07 | 3.41 | 0.02 | 0.03 | 0.40 | 0.70 | 0.01 | 0.05 | 0.30 | 1.20 | 0.01 | 0.03 | 0.15 | 0.65 | 0.07 | 1.78 | 0.14 | 3.45 | 0.12 | 3.15 | 2 |
| 1812L260SL | 0.17 | 0.19 | 4.37 | 4.73 | 0.12 | 0.13 | 3.07 | 3.41 | 0.02 | 0.03 | 0.40 | 0.70 | 0.01 | 0.05 | 0.30 | 1.20 | 0.01 | 0.03 | 0.15 | 0.65 | 0.07 | 1.78 | 0.14 | 3.45 | 0.12 | 3.15 | 2 |
| 1812L300SL | 0.17 | 0.19 | 4.37 | 4.73 | 0.12 | 0.13 | 3.07 | 3.41 | 0.02 | 0.03 | 0.40 | 0.70 | 0.01 | 0.05 | 0.30 | 1.20 | 0.01 | 0.03 | 0.15 | 0.65 | 0.07 | 1.78 | 0.14 | 3.45 | 0.12 | 3.15 | 2 |
| 1812L300/24SL | 0.17 | 0.19 | 4.37 | 4.73 | 0.12 | 0.13 | 3.07 | 3.41 | 0.06 | 0.10 | 1.50 | 2.50 | 0.01 | 0.05 | 0.30 | 1.20 | 0.01 | 0.03 | 0.15 | 0.65 | 0.07 | 1.78 | 0.14 | 3.45 | 0.12 | 3.15 | 3 |
| 1812L350SL | 0.17 | 0.19 | 4.37 | 4.73 | 0.12 | 0.13 | 3.07 | 3.41 | 0.02 | 0.03 | 0.40 | 0.70 | 0.01 | 0.05 | 0.30 | 1.20 | 0.01 | 0.03 | 0.15 | 0.65 | 0.07 | 1.78 | 0.14 | 3.45 | 0.12 | 3.15 | 2 |
| 2920L500/24SL | 0.26 | 0.31 | 6.73 | 7.98 | 0.19 | 0.21 | 4.80 | 5.44 | 0.02 | 0.05 | 0.40 | 1.20 | 0.01 | 0.10 | 0.30 | 2.50 | 0.01 | 0.08 | 0.25 | 2.00 | 0.08 | 2.00 | 0.18 | 4.60 | 0.21 | 5.30 | 3 |
| 2920L600/24SL | 0.26 | 0.31 | 6.73 | 7.98 | 0.19 | 0.21 | 4.80 | 5.44 | 0.06 | 0.10 | 1.50 | 2.50 | 0.01 | 0.10 | 0.30 | 2.50 | 0.01 | 0.08 | 0.25 | 2.00 | 0.08 | 2.00 | 0.18 | 4.60 | 0.21 | 5.30 | 3 |
| 2920L700SL | 0.26 | 0.31 | 6.73 | 7.98 | 0.19 | 0.21 | 4.80 | 5.44 | 0.02 | 0.03 | 0.40 | 0.65 | 0.01 | 0.10 | 0.30 | 2.50 | 0.01 | 0.08 | 0.25 | 2.00 | 0.08 | 2.00 | 0.18 | 4.60 | 0.21 | 5.30 | 2 |
| 2920L700/24SL | 0.26 | 0.31 | 6.73 | 7.98 | 0.19 | 0.21 | 4.80 | 5.44 | 0.06 | 0.10 | 1.50 | 2.50 | 0.01 | 0.10 | 0.30 | 2.50 | 0.01 | 0.08 | 0.25 | 2.00 | 0.08 | 2.00 | 0.18 | 4.60 | 0.21 | 5.30 | 3 |

Low Rho Series

PolySwitch® Resettable PPTC

Packaging

| Part Number | Ordering Number | I_{hold} (A) | I_{hold} Code | Packaging Option | Quantity | Quantity & Packaging Codes |
|---------------|-----------------|----------------|-----------------|------------------|----------|----------------------------|
| 0402L010SL | 0402L010SLKR | 0.10 | 010 | Tape & Reel | 10,000 | KR |
| 0402L020SL | 0402L020SLKR | 0.20 | 020 | | 10,000 | KR |
| 0402L035SL | 0402L035SLKR | 0.35 | 035 | | 10,000 | KR |
| 0402L050SL | 0402L050SLKR | 0.50 | 050 | | 10,000 | KR |
| 0402L075SL | 0402L075SLKR | 0.75 | 075 | | 10,000 | KR |
| 0402L100SL | 0402L100SLKR | 1.00 | 100 | | 10,000 | KR |
| 0603L050SL | 0603L050SLYR | 0.50 | 050 | | 4,000 | YR |
| 0603L075SL | 0603L075SLYR | 0.75 | 075 | | 4,000 | YR |
| 0603L100SL | 0603L100SLYR | 1.00 | 100 | | 4,000 | YR |
| 0603L150SL | 0603L150SLYR | 1.50 | 150 | | 4,000 | YR |
| 0603L175SL | 0603L175SLYR | 1.75 | 175 | | 4,000 | YR |
| 0603L200SL-V | 0603L200SL-VYR | 2.00 | 200 | | 4,000 | YR |
| 0603L300SL | 0603L300SLYR | 3.00 | 300 | | 4,000 | YR |
| 0805L075SL | 0805L075SLYR | 0.75 | 075 | | 4,000 | YR |
| 0805L110SL | 0805L110SLYR | 1.10 | 110 | | 4,000 | YR |
| 0805L150SL | 0805L150SLYR | 1.50 | 150 | | 4,000 | YR |
| 0805L150/12SL | 0805L150/12SLYR | 1.50 | 150 | | 4,000 | YR |
| 0805L175SL | 0805L175SLYR | 1.75 | 175 | | 4,000 | YR |
| 0805L200SLTH | 0805L200SLTHYR | 2.00 | 200 | | 4,000 | YR |
| 0805L260SLTH | 0805L260SLTHYR | 2.60 | 260 | | 4,000 | YR |
| 0805L300SL | 0805L300SLWR | 3.00 | 300 | | 3,000 | WR |
| 0805L300SLTH | 0805L300SLTHYR | 3.00 | 300 | | 4,000 | YR |
| 0805L350SL | 0805L350SLYR | 3.50 | 350 | | 4,000 | YR |
| 0805L400SL | 0805L400SLWR | 4.00 | 400 | | 3,000 | WR |
| 1206L075SL | 1206L075SLYR | 0.75 | 075 | | 4,000 | YR |
| 1206L110SL | 1206L110SLYR | 1.10 | 110 | | 4,000 | YR |
| 1206L150SL | 1206L150SLYR | 1.50 | 150 | | 4,000 | YR |
| 1206L110/12SL | 1206L110/12SLYR | 1.10 | 110 | | 4,000 | YR |
| 1206L150/12SL | 1206L150/12SLYR | 1.50 | 150 | | 4,000 | YR |
| 1206L175SL | 1206L175SLYR | 1.75 | 175 | | 4,000 | YR |
| 1206L200SL | 1206L200SLYR | 2.00 | 200 | | 4,000 | YR |
| 1206L260SLTH | 1206L260SLTHYR | 2.60 | 260 | | 4,000 | YR |
| 1206L260/12SL | 1206L260/12SLYR | 2.60 | 260 | | 4,000 | YR |
| 1206L300SLTH | 1206L300SLTHYR | 3.00 | 300 | | 4,000 | YR |
| 1206L300/12SL | 1206L300/12SLYR | 3.00 | 300 | | 4,000 | YR |
| 1206L350SLTH | 1206L350SLTHYR | 3.50 | 350 | | 4,000 | YR |
| 1206L350/12SL | 1206L350/12SLWR | 3.50 | 350 | | 3,000 | WR |
| 1206L380SLTH* | 1206L380SLTHYR | 2.82* | 380 | | 4,000 | YR |
| 1206L400SL | 1206L400SLWR | 4.00 | 400 | | 3,000 | WR |
| 1206L400/12SL | 1206L400/12SLWR | 4.00 | 400 | | 3,000 | WR |
| 1206L450SL | 1206L450SLWR | 4.50 | 450 | 3,000 | WR | |
| 1206L450/12SL | 1206L450/12SLWR | 4.50 | 450 | 3,000 | WR | |
| 1206L500SL-V | 1206L500SL-VWR | 5.00 | 500 | 3,000 | WR | |
| 1206L500/12SL | 1206L500/12SLPR | 5.00 | 500 | 2,000 | PR | |

Notes: *1206L380SLTH has I_{hold} 2.82A for at least 15min @ 55°C.

Low Rho Series

PolySwitch® Resettable PPTC

Packaging (Continued)

| Part Number | Ordering Number | I_{hold} (A) | I_{hold} Code | Packaging Option | Quantity | Quantity & Packaging Codes |
|---------------|-----------------|----------------|-----------------|------------------|----------|----------------------------|
| 1206L600SL | 1206L600SLWR | 6.00 | 600 | Tape & Reel | 3,000 | WR |
| 1206L700SL | 1206L700SLPR | 7.00 | 700 | | 2,000 | PR |
| 1210L200SL | 1210L200SLYR | 2.00 | 200 | | 4,000 | YR |
| 1210L260SL | 1210L260SLYR | 2.60 | 260 | | 4,000 | YR |
| 1210L300SL | 1210L300SLWR | 3.00 | 300 | | 3,000 | WR |
| 1210L350SL | 1210L350SLWR | 3.50 | 350 | | 3,000 | WR |
| 1210L400SL | 1210L400SLWR | 4.00 | 400 | | 3,000 | WR |
| 1210L450SL | 1210L450SLWR | 4.50 | 450 | | 3,000 | WR |
| 1210L450/12SL | 1210L450/12SLWR | 4.50 | 450 | | 3,000 | WR |
| 1210L500SL | 1210L500SLWR | 5.00 | 500 | | 3,000 | WR |
| 1210L500/12SL | 1210L500/12SLWR | 5.00 | 500 | | 3,000 | WR |
| 1210L550SL | 1210L550SLWR | 5.50 | 550 | | 3,000 | WR |
| 1210L600SL | 1210L600SLWR | 6.00 | 600 | | 3,000 | WR |
| 1210L700SL | 1210L700SLWR | 7.00 | 700 | | 3,000 | WR |
| 1210L900SL | 1210L900SLPR | 9.00 | 900 | | 2,000 | PR |
| 1812L190SL | 1812L190SLPR | 1.90 | 190 | | 2,000 | PR |
| 1812L260SL | 1812L260SLPR | 2.60 | 260 | | 2,000 | PR |
| 1812L300SL | 1812L300SLPR | 3.00 | 300 | | 2,000 | PR |
| 1812L300/24SL | 1812L300/24SLER | 3.00 | 300 | | 2,500 | ER |
| 1812L350SL | 1812L350SLPR | 3.50 | 350 | | 2,000 | PR |
| 2920L500/24SL | 2920L500/24SLDR | 5.00 | 500 | | 1,500 | DR |
| 2920L600/24SL | 2920L600/24SLER | 6.00 | 600 | | 2,500 | ER |
| 2920L700SL | 2920L700SLPR | 7.00 | 700 | | 2,000 | PR |
| 2920L700/24SL | 2920L700/24SLER | 7.00 | 700 | | 2,500 | ER |

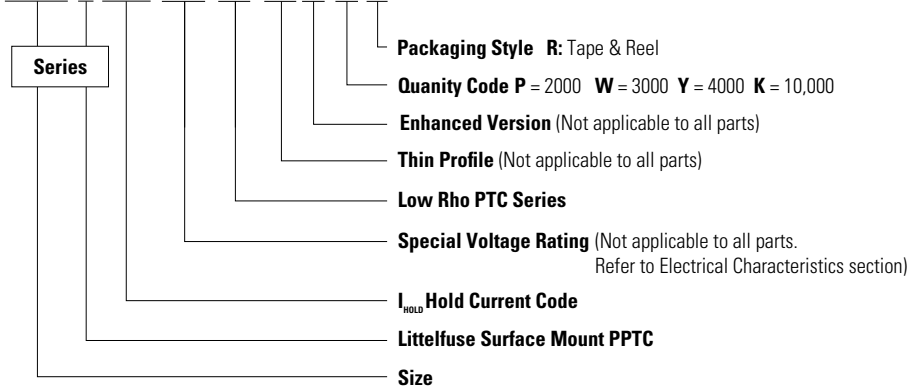
Notes: *1206L380SLTH has I_{hold} 2.82A for at least 15min @ 55°C.

Low Rho Series

PolySwitch® Resettable PPTC

Part Ordering Number System

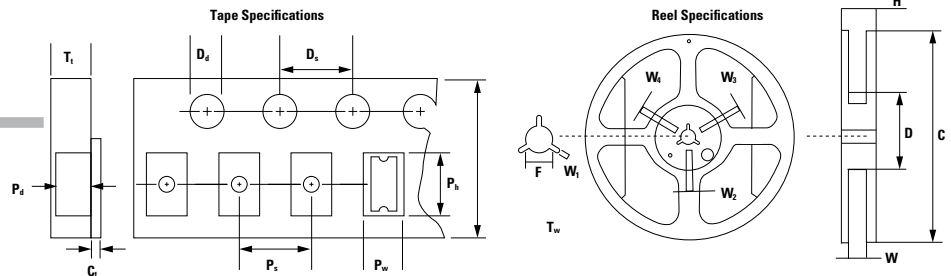
1206 L 380 / 12 SL TH -V Y R



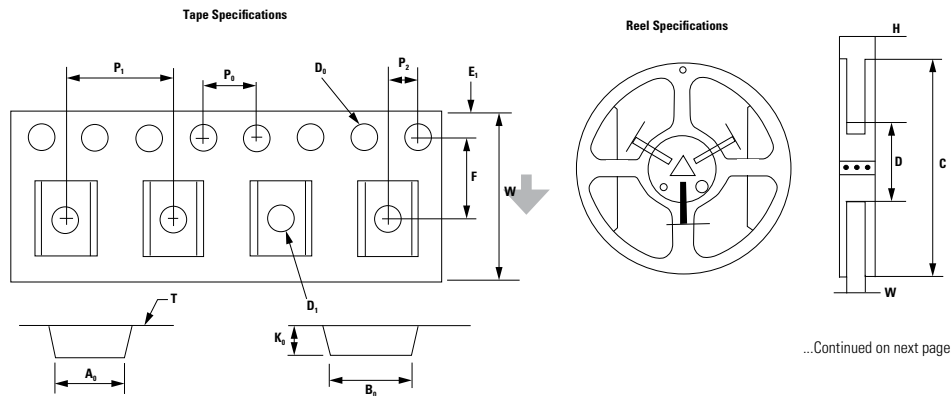
Tape & Reel Specifications

Dimensions for 0402 size product (see table at left)

| Symbol | 0402L010SL 0402L020SL 0402L035SL 0402L050SL 0402L075SL 0402L100SL |
|--|--|
| Tape Dimensions: EIA-481-1 (mm) | |
| C _t | 0.05 ± 0.01 |
| D _d | 1.5 ± 0.1 |
| D _s | 4.0 ± 0.1 |
| P _d | 0.41 ± 0.1 |
| P _h | 1.12 ± 0.1 |
| P _s | 2.0 ± 0.1 |
| P _w | 0.65 ± 0.03 |
| T _t | 0.61 ± 0.1 |
| T _w | 8.0 ± 0.1 |
| Leader min. | 390 |
| Trailer min. | 160 |
| Reel Dimensions: EIA-481-1 (mm) | |
| H | 12.0 ± 0.5 |
| W | 9.0 ± 0.5 |
| D | Ø60 ± 0.5 |
| F | Ø13.0 ± 0.2 |
| C | Ø178 ± 1 |
| W ₁ | 2.2 ± 0.5 |
| W ₂ | 3.0 ± 0.5 |
| W ₃ | 4.0 ± 0.5 |
| W ₄ | 5.5 ± 0.5 |



Dimensions for 0603, 0805, 1206, 1210, 1812 & 2920 size product (see table below)



...Continued on next page.

Low Rho Series

PolySwitch® Resettable PPTC

Dimensions for 0603, 0805, 1206, 1210, size product
(see tabel below)

| Symbol | 0603L050SL 0603L075SL 0603L100SL | 0603L150SL 0603L175SL 0603L200SL-V 0603L300SL | 0805L075SL 0805L110SL 0805L150SL 0805L150/12SL 0805L175SL 0805L200SLTH 0805L260SLTH 0805L300SLTH | 0805L350SL | 0805L300SL 0805L400SL | 1206L075SL 1206L110SL 1206L150SL 1206L110/12SL 1206L150/12SL 1206L175SL 1206L200SL | 1206L260SLTH 1206L260/12SL 1206L300SLTH 1206L300/12SL 1206L350SLTH 1206L380SLTH | 1206L350/12SL 1206L400SL 1206L400/12SL 1206L450SL 1206L450/12SL 1206L500SL-V 1206L600SL | 1206L500/12SL 1206L700SL | 1210L200SL 1210L260SL 1210L300SL |
|--|--|--|---|-------------|--------------------------|--|--|---|-----------------------------|--|
| Tape Dimensions: EIA-481-1 (mm) | | | | | | | | | | |
| W | 8.00 ± 0.30 | 8.00 ± 0.30 | 8.00 ± 0.10 | 8.00 ± 0.30 | 8.00 ± 0.30 | 8.20 +0.10/-0.30 | 8.15 +0.15/-0.30 | 8.20 +0.10/-0.30 | 8.00 ± 0.30 | |
| F | 3.50 ± 0.05 | 3.50 ± 0.05 | 3.50 ± 0.05 | 3.50 ± 0.05 | 3.50 ± 0.05 | 3.50 ± 0.05 | 3.50 ± 0.05 | 3.50 ± 0.05 | 3.50 ± 0.05 | 3.50 ± 0.05 |
| E₁ | 1.75 ± 0.10 | 1.75 ± 0.10 | 1.75 ± 0.10 | 1.75 ± 0.10 | 1.75 ± 0.10 | 1.75 ± 0.10 | 1.75 ± 0.10 | 1.75 ± 0.10 | 1.75 ± 0.10 | 1.75 ± 0.10 |
| D₀ | 1.55 ± 0.05 | 1.55 ± 0.05 | 1.55 ± 0.05 | 1.55 ± 0.05 | 1.55 ± 0.05 | 1.55 ± 0.05 | 1.55 ± 0.05 | 1.55 ± 0.05 | 1.55 ± 0.05 | 1.55 ± 0.05 |
| D₁ | 0.50 ± 0.10 | 0.50 ± 0.10 | 1.00 (Min.) | 1.00 ± 0.10 | 1.00 ± 0.10 | 1.00 ± 0.10 | 1.00 ± 0.10 | 1.00 ± 0.10 | 1.00 ± 0.10 | 1.00 (Min.) |
| P₀ | 4.00 ± 0.10 | 4.00 ± 0.10 | 4.00 ± 0.08 | 4.00 ± 0.10 | 4.00 ± 0.10 | 4.00 ± 0.10 | 4.00 ± 0.10 | 4.00 ± 0.10 | 4.00 ± 0.10 | 4.00 ± 0.10 |
| P₁ | 4.00 ± 0.10 | 4.00 ± 0.10 | 4.00 ± 0.10 | 4.00 ± 0.10 | 4.00 ± 0.10 | 4.00 ± 0.10 | 4.00 ± 0.10 | 4.00 ± 0.10 | 4.00 ± 0.10 | 4.00 ± 0.10 |
| P₂ | 2.00 ± 0.05 | 2.00 ± 0.05 | 2.00 ± 0.05 | 2.00 ± 0.05 | 2.00 ± 0.05 | 2.00 ± 0.05 | 2.00 ± 0.05 | 2.00 ± 0.05 | 2.00 ± 0.05 | 2.00 ± 0.05 |
| A₀ | 1.10 ± 0.10 | 1.10 ± 0.10 | 1.60 ± 0.10 | 1.65 ± 0.10 | 1.65 ± 0.10 | 1.95 ± 0.10 | 1.92 ± 0.10 | 1.95 ± 0.10 | 2.82 ± 0.10 | |
| B₀ | 1.92 ± 0.10 | 1.92 ± 0.10 | 2.30 ± 0.10 | 2.35 ± 0.10 | 2.35 ± 0.10 | 3.65 ± 0.10 | 3.65 ± 0.10 | 3.65 ± 0.10 | 3.46 ± 0.10 | |
| T | 0.20 ± 0.10 | 0.20 ± 0.10 | 0.25 ± 0.10 | 0.20 ± 0.10 | 0.25 ± 0.10 | 0.20 ± 0.10 | 0.25 ± 0.10 | 0.25 ± 0.10 | 0.25 ± 0.10 | 0.25 ± 0.10 |
| K₀ | 0.72 ± 0.10 | 0.96 ± 0.10 | 0.90 ± 0.10 | 1.05 ± 0.10 | 1.50 ± 0.10 | 0.87 ± 0.10 | 1.30 ± 0.10 | 1.70 ± 0.10 | 1.00 ± 0.10 | |
| Leader min. | 390 | | | | | | | | | |
| Trailer min. | 160 | | | | | | | | | |
| Reel Dimensions: EIA-481-1 (mm) | | | | | | | | | | |
| H | 11.0 ± 0.5 | | | | | | | | | |
| W | 9.0 ± 1.5 | | | | | | | | | |
| C | Ø178 ± 1.0 | | | | | | | | | |
| D | Ø60.2 ± 0.5 | | | | | | | | | |

Low Rho Series

PolySwitch® Resettable PPTC

Dimensions for 1210, 1812 & 2920 size product (see tabel below)

| Symbol | 1210L350SL 1210L400SL 1210L450SL 1210L450/12SL 1210L500SL 1210L500/12SL 1210L550SL 1210L600SL 1210L700SL | 1210L900SL | 1812L190SL 1812L260SL 1812L300SL 1812L350SL | 1812L300/24SL | 2920L500/24SL | 2920L700SL | 2920L600/24SL 2920L700/24SL | | |
|--|--|-------------|--|---------------|---------------|--------------|--------------------------------|------------|------------|
| Tape Dimensions: EIA-481-1 (mm) | | | | | | | | | |
| W | 8.00 ± 0.30 | 8.00 ± 0.30 | 12.00 ± 0.30 | 12.00 ± 0.30 | 16.00 ± 0.30 | 16.00 ± 0.30 | 16.00 ± 0.30 | | |
| F | 3.50 ± 0.05 | 3.50 ± 0.05 | 5.50 ± 0.05 | 5.50 ± 0.05 | 7.50 ± 0.10 | 7.50 ± 0.10 | 7.50 ± 0.10 | | |
| E₁ | 1.75 ± 0.10 | 1.75 ± 0.10 | 1.75 ± 0.10 | 1.75 ± 0.10 | 1.75 ± 0.10 | 1.75 ± 0.10 | 1.75 ± 0.10 | | |
| D₀ | 1.55 ± 0.05 | 1.55 ± 0.05 | 1.55 ± 0.05 | 1.50 +0.10/-0 | 1.55 ± 0.05 | 1.55 ± 0.05 | 1.50 +0.10/-0 | | |
| D₁ | 1.00 (Min.) | 1.00 (Min.) | 1.55 (Min.) | 1.50 +0.10/-0 | 1.50 ± 0.10 | 1.50 ± 0.10 | 1.50 (Min.) | | |
| P₀ | 4.00 ± 0.10 | 4.00 ± 0.10 | 4.00 ± 0.10 | 4.00 ± 0.10 | 4.00 ± 0.10 | 4.00 ± 0.10 | 4.00 ± 0.10 | | |
| P₁ | 4.00 ± 0.10 | 4.00 ± 0.10 | 8.00 ± 0.10 | 8.00 ± 0.10 | 8.00 ± 0.10 | 8.00 ± 0.10 | 8.00 ± 0.10 | | |
| P₂ | 2.00 ± 0.05 | 2.00 ± 0.05 | 2.00 ± 0.05 | 2.00 ± 0.05 | 2.00 ± 0.10 | 2.00 ± 0.10 | 2.00 ± 0.10 | | |
| A₀ | 2.82 ± 0.10 | 2.80 ± 0.10 | 3.58 ± 0.10 | 3.55 ± 0.10 | 5.74 ± 0.10 | 5.74 ± 0.10 | 5.60 ± 0.10 | | |
| B₀ | 3.50 ± 0.10 | 3.50 ± 0.10 | 4.93 ± 0.10 | 4.88 ± 0.10 | 8.02 ± 0.10 | 8.02 ± 0.10 | 7.95 ± 0.10 | | |
| T | 0.20 ± 0.10 | 0.25 ± 0.10 | 0.25 ± 0.05 | 0.30 ± 0.05 | 0.30 ± 0.10 | 0.30 ± 0.10 | 0.30 ± 0.05 | | |
| K₀ | 1.30 ± 0.10 | 1.60 ± 0.10 | 0.87 ± 0.06 | 2.45 ± 0.10 | 1.30 ± 0.10 | 0.91 ± 0.10 | 2.55 ± 0.10 | | |
| Leader min. | 390 | | | | | | | | |
| Trailer min. | 160 | | | | | | | | |
| Reel Dimensions: EIA-481-1 (mm) | | | | | | | | | |
| H | 11.0 ± 0.5 | | 16.0 ± 0.5 | | 17.4 ± 1.0 | | 19.5 ± 1.0 | 21.4 ± 1.0 | |
| W | 9.0 ± 1.5 | | 13.2 ± 1.5 | | 13.4 ± 1.0 | | 17 ± 0.2 | | 17.4 ± 1.0 |
| C | Ø178 ± 1.0 | | Ø178 ± 1.0 | | Ø330 ± 1.0 | | Ø180 ± 3.0 | | Ø330 ± 1.0 |
| D | Ø60.2 ± 0.5 | | Ø60.2 ± 0.5 | | Ø99 ± 0.5 | | Ø60 ± 0.5 | | Ø99 ± 0.5 |

Warning

- Users should independently evaluate the suitability of and test each product selected for their own application.
- Operation beyond the maximum ratings or improper use may result in device damage and possible electrical arcing and flame.
- These devices are intended for protection against damage caused by occasional overcurrent or overtemperature fault conditions and should not be used when repeated fault conditions or prolonged trip events are anticipated.
- Contamination of the PPTC material with certain silicone-based oils or some aggressive solvents can adversely impact the performance of the devices.
- Device performance can be impacted negatively if devices are handled in a manner inconsistent with recommended electronic, thermal, and mechanical procedures for electronic components.
- PPTC devices are not recommended for installation in applications where the device is constrained such that its PTC properties are inhibited, for example in rigid potting materials or in rigid housings, which lack adequate clearance to accommodate device expansion.
- Operation in circuits with a large inductance can generate a circuit voltage (Ldi/dt) above the rated voltage of the device.

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