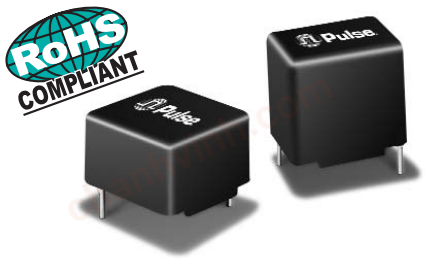
chanhvinh.com

# STANDARD LOW POWER INDUCTORS

## Switch Mode Power Converters & Ripple Filters

Pulse® A TECHNITROL COMPANY




- Designed for general purpose use
- High inductance stability with varying volt-seconds and load currents
- Compact, standard packages
- Low profile or vertical packages

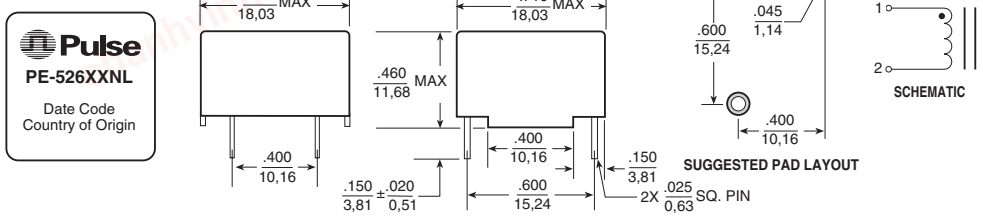
**Electrical Specifications @ 25°C — Operating Temperature -40°C to 130°C**

| | | Reference Operating Values | | | | Design Control Values | | |
|---|---|---|---|---|---|---|---|---|
| Low Profile [3] Part Number | Vertical [3] Part Number | Inductance Typical (µH) | $I_{DC}$ [1] (AMPS) | Maximum [2] $ET_{OP}$ (V-µSec) | Energy Storage (µJ)[1] | Inductance No DC (µH ± 20%) | 20kHz Test mV No DC | DCR (Ω MAX) |
| PE-52625NL | PE-52645NL | 150 | 1.7 | 80 | 215 | 145 | 110 | .42 |
| PE-52626NL | PE-52646NL | 220 | 1.5 | 90 | 240 | 226 | 140 | .42 |
| PE-52627NL | PE-52647NL | 330 | 1.0 | 100 | 165 | 316 | 170 | .78 |
| PE-52628NL | PE-52648NL | 470 | .90 | 120 | 190 | 480 | 210 | 1.26 |
| PE-52629NL | PE-52649NL | 680 | .85 | 175 | 245 | 690 | 250 | 1.50 |
| PE-52630NL | PE-52650NL | 820 | .75 | 175 | 230 | 780 | 270 | 2.40 |
| PE-52631NL | PE-52651NL | 1000 | .50 | 175 | 125 | 975 | 300 | 2.60 |

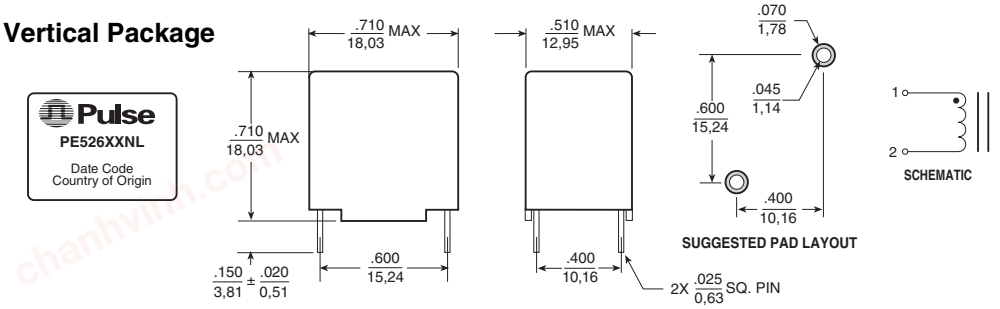
**NOTES:** **1.** $I_{DC}$ rated for 40°C Temperature rise @ low $ET_{OP}$. **2.** Derate current 20% at this $ET_{OP}$.
**3.** The Leaded version of these parts is available by removing the "**NL**" suffix when ordering.

## Mechanicals

### Low Profile Package



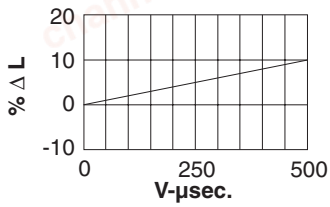

### Vertical Package



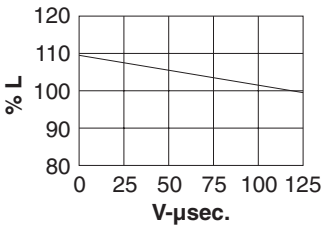

Unless otherwise specified, all tolerances are ± .010 / 0,25

Dimensions: inches / mm

### Inductance Characteristics




Inductance Variance vs. E.T.




Inductance Variance vs. Load Current

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