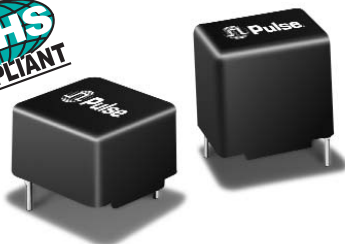


STANDARD LOW POWER INDUCTORS

Switch Mode Power Converters & Ripple Filters



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

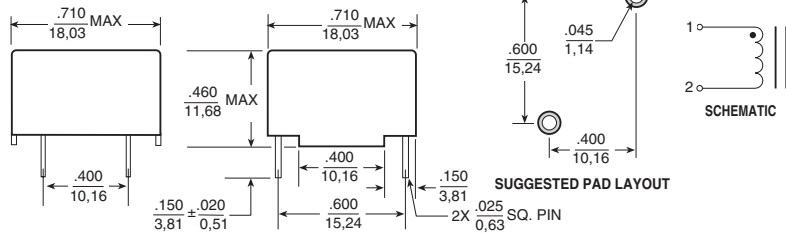
Electrical Specifications @ 25°C — Operating Temperature -40°C to 130°C

| Low Profile ³ Part Number | Vertical ³ Part Number | REFERENCE OPERATING VALUES | | | | DESIGN CONTROL VALUES | | |
|--|---|-------------------------------------|---------------------------------|---|--|---|---------------------------|------------------------|
| | | Inductance Typical (μ H) | I_{DC} ¹ (AMPS) | Maximum ² ET_{OP} (V- μ Sec) | Energy Storage (μ J) ¹ | Inductance No DC (μ H \pm 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 |

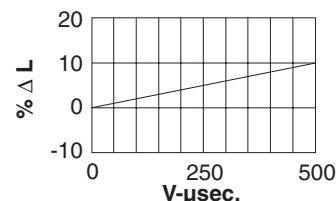
NOTES: 1. I_{DC} rated for 40°C Temperature rise @ low ET_{OP} . 2. Derate current 20% at this ET_{OP} .
3. The Leaded version of these parts is available by removing the "NL" suffix when ordering.

Mechanicals

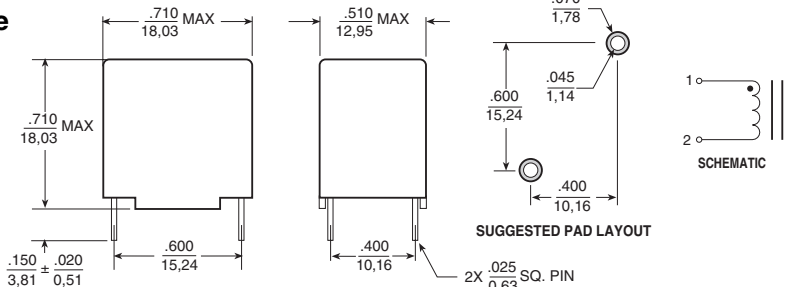
Low Profile Package



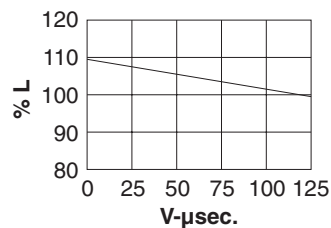
Inductance Characteristics



Vertical Package



Inductance Variance vs. E.T.



Inductance Variance vs. Load Current

Unless otherwise specified, all tolerances are $\pm .010$
 $0,25$

Dimensions: $\frac{\text{inches}}{\text{mm}}$

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