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

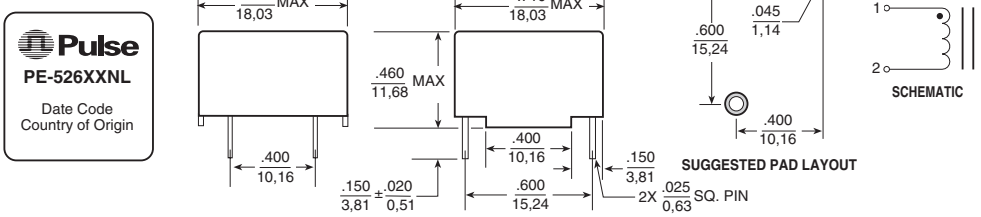
Electrical Specifications @ 25°C — Operating Temperature -40°C to 130°C

		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

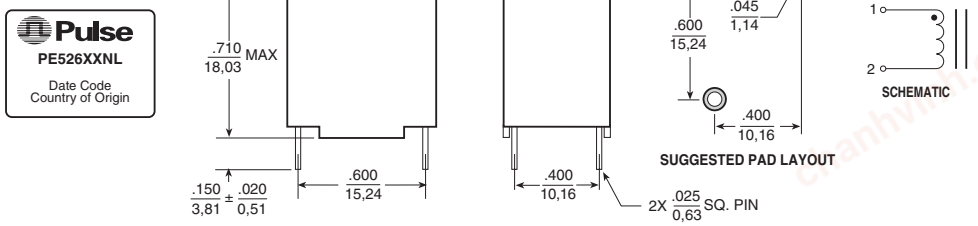
NOTES: **1.** I_{DC} rated for 40°C Temperature rise @ low ET_{OP}. **2.** Derate current 20% at this ET_{OP}.
3. The Leaded version of these parts is available by removing the "**NL**" suffix when ordering.

Mechanicals

Low Profile Package



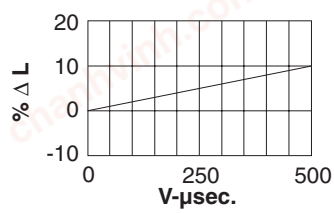
Vertical Package



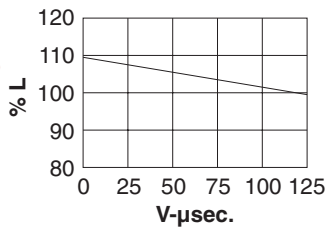
Unless otherwise specified, all tolerances are ± .010 / 0,25

Dimensions: inches / mm

Inductance Characteristics



Inductance Variance vs. E.T.



Inductance Variance vs. Load Current

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