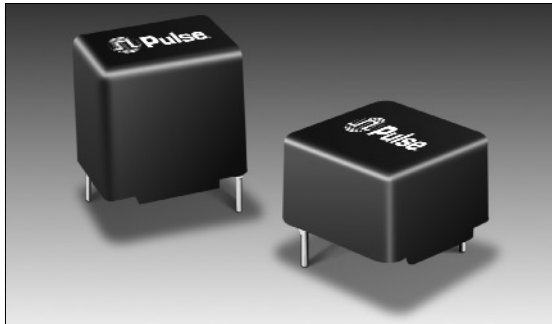






# STANDARD LOW POWER INDUCTORS

## Switch Mode Power Converters and 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

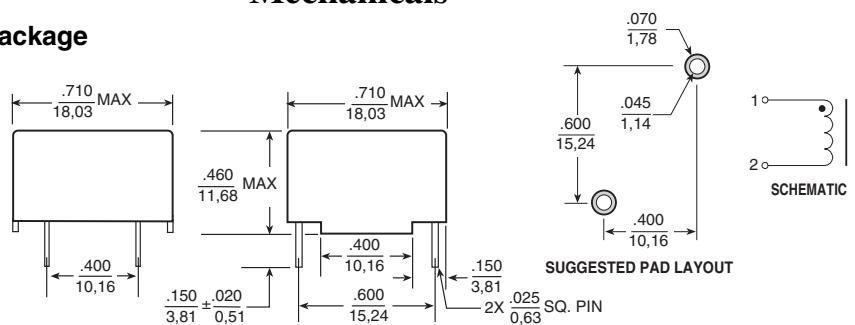
### Electrical Specifications @ 25°C — Operating Temperature -30°C to 130°C

Low Profile Part Number	Vertical Part Number	REFERENCE OPERATING VALUES				DESIGN CONTROL VALUES		
		Inductance Typical (μH)	I <sub>DC</sub> (AMPS) <sup>1</sup>	Maximum E <sub>TOP</sub> <sup>2</sup> (V-μSec)	Energy Storage (μJ) <sup>1</sup>	Inductance No DC (μH ± 20%)	20 KHz Test mV No DC	DCR (Ω MAX)
PE-52625	PE-52645	150	1.7	80	215	145	110	.42
PE-52626	PE-52646	220	1.5	90	240	226	140	.42
PE-52627	PE-52647	330	1.0	100	165	316	170	.78
PE-52628	PE-52648	470	.90	120	190	480	210	1.26
PE-52629	PE-52649	680	.85	175	245	690	250	1.50
PE-52630	PE-52650	820	.75	175	230	780	270	2.40
PE-52631	PE-52651	1000	.50	175	125	975	300	2.60

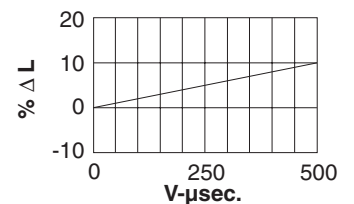
NOTES: 1. I<sub>DC</sub> rated for 40°C Temperature rise @ low E<sub>TOP</sub>. 2. Derate current 20% at this E<sub>TOP</sub>.

## Mechanicals

### Low Profile Package

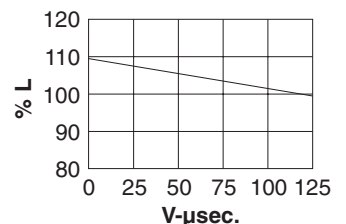
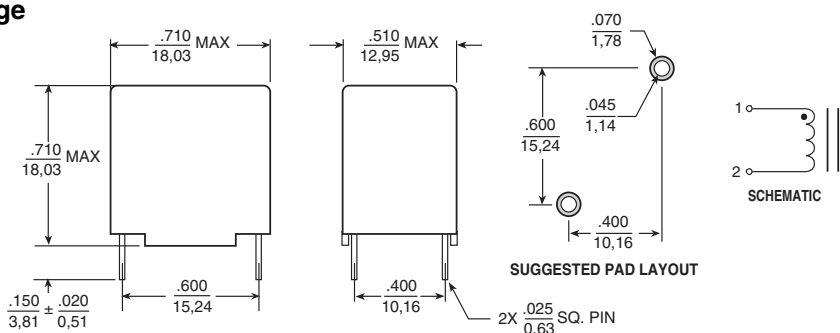


### Inductance Characteristics



Inductance Variance vs. E.T.

### Vertical Package



Inductance Variance vs. Load Current

Unless otherwise specified, all tolerances are ± .010 / 0.25

Dimensions: inches / mm