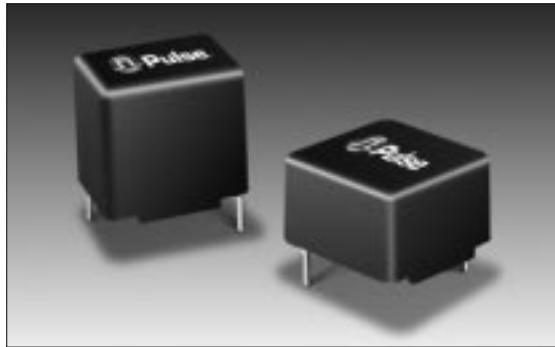


# STANDARD LOW POWER INDUCTORS

## 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

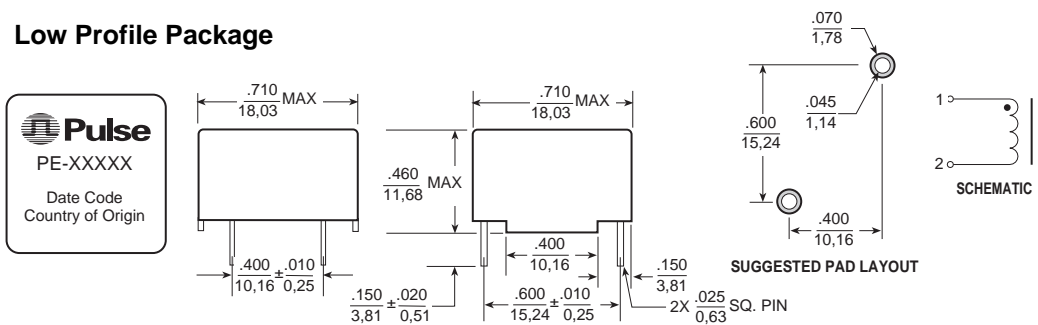
**Electrical Specifications @ 25°C — Operating Temperature -30°C to 130°C**

REFERENCE OPERATING VALUES						DESIGN CONTROL VALUES		
Low Profile Part Number	Vertical Part Number	Inductance Typical (μH)	I <sub>DC</sub> (AMPS) <sup>1</sup>	Maximum ET <sub>OP</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

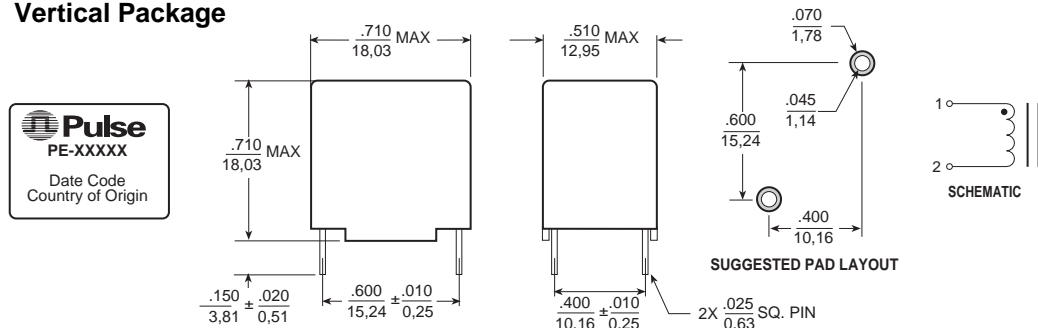
NOTES: 1. I<sub>DC</sub> rated for 40°C Temperature rise @ low ET<sub>OP</sub>. 2. Derate current 20% at this ET<sub>OP</sub>.

### Mechanicals

#### Low Profile Package

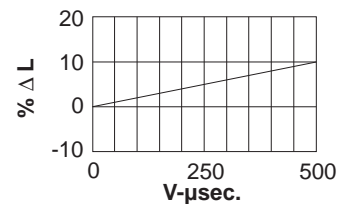


#### Vertical Package

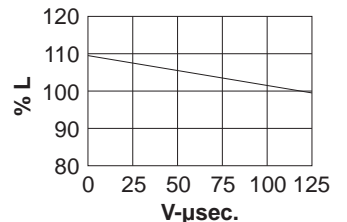


Unless otherwise specified, all tolerances are ± .010 / 0.25 inches / mm

#### Inductance Characteristics



Inductance Variance vs. E.T.



Inductance Variance vs. Load Current