

# Toroidal Inductors

High Inductance



- High Frequency, low loss operation (up to 100 kHz)
- Encapsulated construction
- Ambient temperature range of -55C to +70C
- Good inductance stability with temperature

## Electrical Specifications @ 25°C

Reference Operating Values					Design Control Values		
Part Number	Inductance Typical (mH)	IDC (AMPS)	Maximum ET <sub>OP</sub> (V-μSec)	Energy Storage (μJ MIN) <sup>1</sup>	Inductance No DC (mHy) (±20%) <sup>2</sup>	DCR (Ω MAX)	Size Code
PE-50500NL	0.5	.60	110	90	.72	0.35	7
PE-50501NL	1.0	.35	160	60	1.51	0.75	7
PE-50502NL	2.0	.25	225	60	2.88	1.30	7
PE-50503NL	0.5	1.75	325	765	.72	0.35	8
PE-50506NL	0.5	2.75	650	1890	.75	0.25	9
PE-50508NL	2.0	1.50	1200	2250	2.70	0.75	9

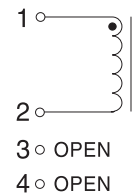
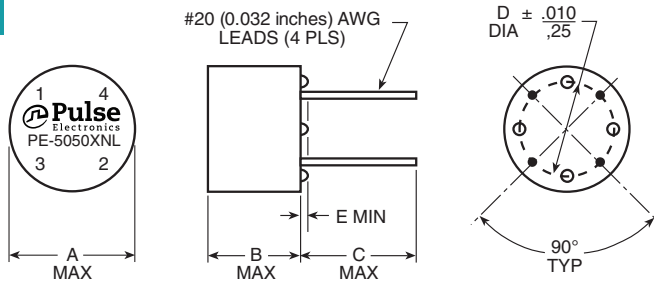
Notes: 1.  $\frac{LI^2}{2}$  ratings is the ability of the inductor to store energy.

2. Inductance measured at 0.4 Volts and 20 kHz.

## Mechanical

## Schematic

PE-XXXX

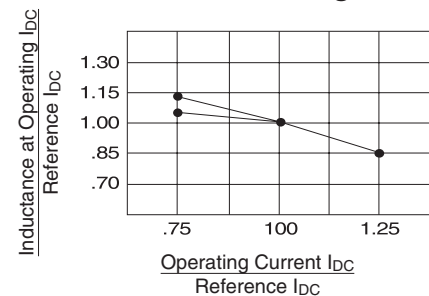


Size Code	A	B	C	D	E
7	.754 19,15	.400 10,16	.500 12,70	.625 15,87	0.03 0,76
8	1.140 28,95	.665 16,89	.500 12,70	1.00 25,40	0.03 0,76
9	1.416 35,96	.850 21,59	.500 12,70	1.250 31,75	0.03 0,76

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

Unless otherwise specified, all tolerances are ±  $\frac{.010}{0,25}$

## Inductance Variation with IDC Change



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