

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 _{OP} (V-μSec)	Energy Storage (μJ MIN) ¹	Inductance No DC (mHy) (±20%) ²	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

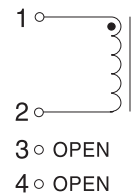
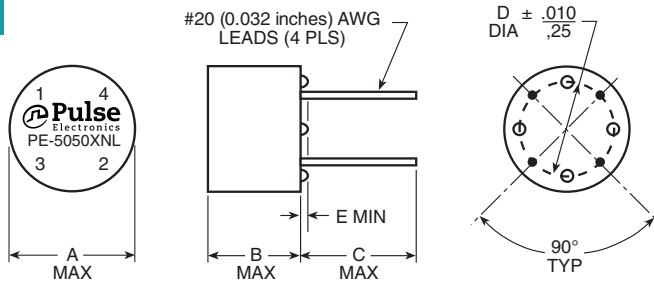
Notes: 1. $\frac{LI^2}{2}$ ratings is the ability of the inductor to store energy.

2. Inductance measured at 0.4 Volts and 20 kHz.

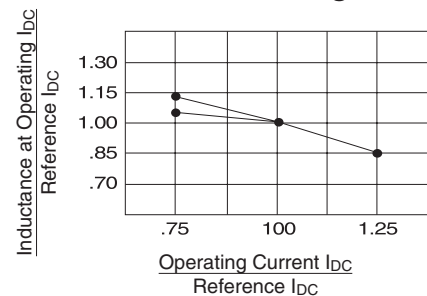
Mechanical

Schematic

PE-XXXX



Inductance Variation with IDC Change



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 13,75	0.03 0,76

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

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

For More Information

Pulse Worldwide Headquarters
12220 World Trade Drive
San Diego, CA 92128
U.S.A.

Pulse Europe
Einsteinstrasse 1
D-71083 Herrenberg
Germany

Pulse China Headquarters
B402, Shenzhen Academy of
Aerospace Technology Bldg.
10th Kejinan Road
High-Tech Zone
Nanshan District
Shenzhen, PR China 518057
Tel: 86 755 33966678
Fax: 86 755 33966700

Pulse North China
Room 2704/2705
Super Ocean Finance Ctr.
2067 Yan An Road West
Shanghai 200336
China
Tel: 86 21 62787060
Fax: 86 2162786973

Pulse South Asia
135 Joo Seng Road
#03-02
PM Industrial Bldg.
Singapore 368363
Tel: 65 6287 8998
Fax: 65 6287 8998

Pulse North Asia
3F, No. 198
Zhongyuan Road
Zhongli City
Taoyuan County 320
Taiwan R. O. C.
Tel: 886 3 4356768
Fax: 886 3 4356823 (Pulse)
Fax: 886 3 4356820 (FRE)

Performance warranty of products offered on this data sheet is limited to the parameters specified. Data is subject to change without notice. Other brand and product names mentioned herein may be trademarks or registered trademarks of their respective owners. © Copyright, 2015, Pulse Electronics, Inc. All rights reserved.