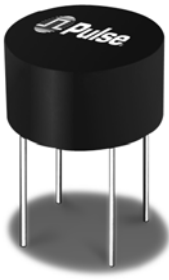






TOROIDAL INDUCTORS

High Inductance



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

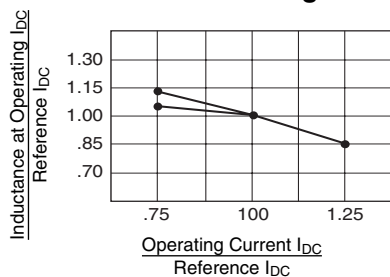
Electrical Specifications @ 25°C

Part Number	REFERENCE OPERATING VALUES				DESIGN CONTROL VALUES		
	Inductance Typical (mH)	I _{DC} (AMPS)	Maximum E _{TOP} (V-μSec)	Energy Storage (μJ MIN) ¹	Inductance No DC (mHy) (±20%) ²	DCR (Ω MAX)	Size Code
PE-50500	0.5	.60	110	90	.72	0.35	7
PE-50501	1.0	.35	160	60	1.51	0.75	7
PE-50502	2.0	.25	225	60	2.88	1.30	7
PE-50503	0.5	1.75	325	765	.72	0.35	8
PE-50506	0.5	2.75	650	1890	.75	0.25	9
PE-50508	2.0	1.50	1200	2250	2.70	0.75	9

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

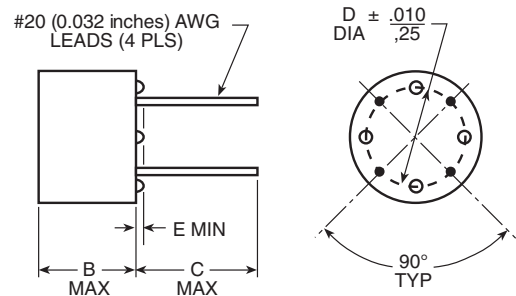
2. Inductance measured at 0.4 Volts and 20 kHz.

Inductance Variation with I_{DC} Change



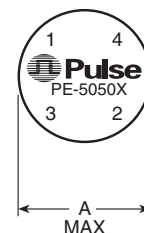
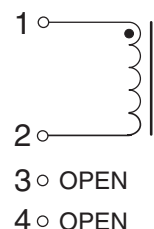
Dimensions: $\frac{\text{Inches}}{\text{mm}}$
Unless otherwise specified, all tolerances are $\pm \frac{.010}{0,25}$

Mechanical



Size Code	A	B	C	D	E
7	$\frac{.754}{19,15}$	$\frac{.400}{10,16}$	$\frac{.500}{12,70}$	$\frac{.625}{15,87}$	$\frac{0.03}{0,76}$
8	$\frac{1.140}{28,95}$	$\frac{.665}{16,89}$	$\frac{.500}{12,70}$	$\frac{1.00}{25,40}$	$\frac{0.03}{0,76}$
9	$\frac{1.416}{35,96}$	$\frac{.850}{21,59}$	$\frac{.500}{12,70}$	$\frac{1.250}{13,75}$	$\frac{0.03}{0,76}$

Schematic



For More Information :

UNITED STATES (Worldwide)

12220 World Trade Drive
San Diego, CA 92128
U.S.A.
<http://www.pulseeng.com>
TEL: 858 674 8100
FAX: 858 674 8262

UNITED KINGDOM (Northern Europe)

1 & 2 Huxley Road
The Surrey Research Park
Guildford, Surrey GU2 5RE
United Kingdom
TEL: 44 1483 401700
FAX: 44 1483 401701

FRANCE (Southern Europe)

Zone Industrielle
F-39270
Orgelet
France
TEL: 33 3 84 35 04 04
FAX: 33 3 84 25 46 41

SINGAPORE (Southern Asia)

150 Kampong Ampat
#07-01/02
KA Centre
Singapore 368324
TEL: 65 6287 8998
FAX: 65 6280 0080

TAIWAN, R.O.C. (Northern Asia)

3F-4, No. 81, Sec. 1
HsinTai Wu Road
Hsi-Chih, Taipei Hsien
Taiwan, R.O.C.
Tel: 886 2 2698 0228
FAX: 886 2 2698 0948

HONG KONG (China/Hong Kong)

9/F, Phase 2, Tai Sang
Shatin Warehouse Centre
6 Wong Chuk Yeung Street
Fotan, Shatin, Hong Kong
TEL: 852 2788 6588
FAX: 852 2776 1055

DISTRIBUTOR

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.