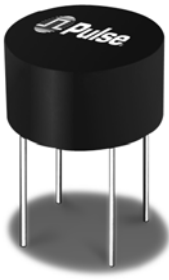






TOROIDAL INDUCTORS

High Inductance



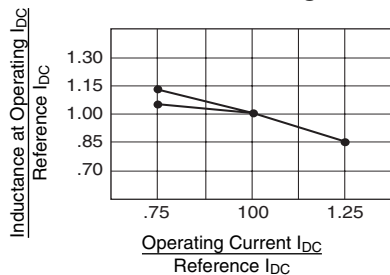
-  High frequency, low loss operation (up to 100 kHz)
-  Encapsulated construction
-  Ambient temperature range of -55°C to +70°C
-  Good inductance stability with temperature

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

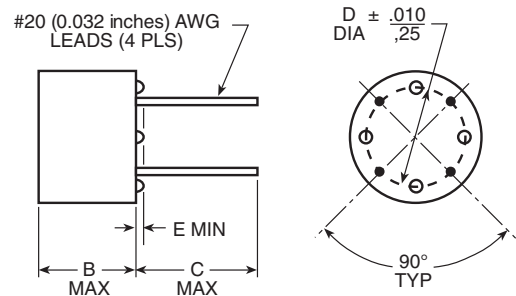
NOTES: 1. $\frac{LI^2}{2}$ rating is the ability of the inductor to store energy. 2. Inductance measured at 0.4 Volts and 20 kHz.

Inductance Variation with I_{DC} Change



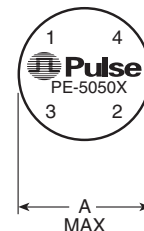
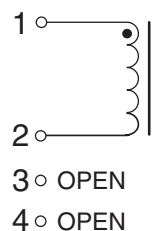
Dimensions: $\frac{\text{Inches}}{\text{mm}}$
Unless otherwise specified, all tolerances are $\pm \frac{.010}{0,25}$

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)	UNITED KINGDOM (Northern Europe)	FRANCE (Southern Europe)	SINGAPORE (Southern Asia)	TAIWAN, R.O.C. (Northern Asia)	HONG KONG (China/Hong Kong)	DISTRIBUTOR
12220 World Trade Drive San Diego, CA 92128 U.S.A. http://www.pulseeng.com TEL: 858 674 8100 FAX: 858 674 8262	1 & 2 Huxley Road The Surrey Research Park Guildford, Surrey GU2 5RE United Kingdom TEL: 44 1483 401700 FAX: 44 1483 401701	Zone Industrielle F-39270 Orgelet France TEL: 33 3 84 35 04 04 FAX: 33 3 84 25 46 41	150 Kampong Ampat #07-01/02 KA Centre Singapore 368324 TEL: 65 6287 8998 FAX: 65 6280 0080	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	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	

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.