

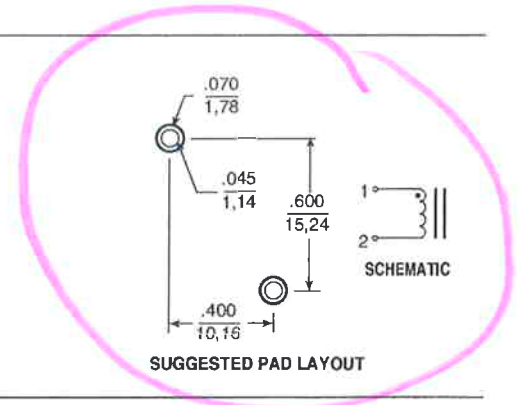
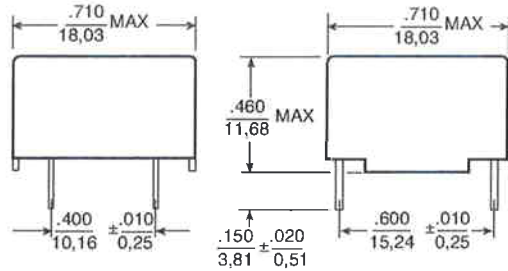
FROM FARNELL WEBSITE

INDUCTORS DESIGNED FOR NATIONAL'S 50 kHz SIMPLE SWITCHER™



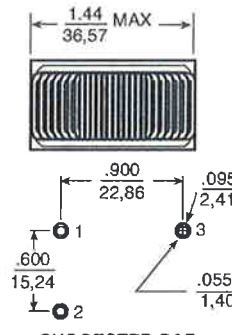
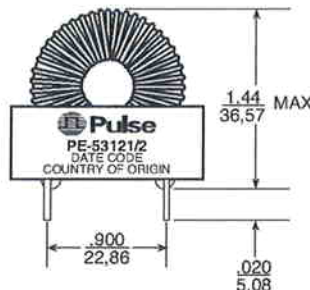
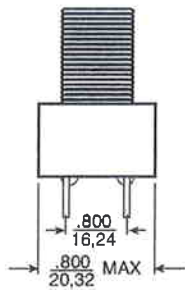
Mechanicals

Low Profile Series



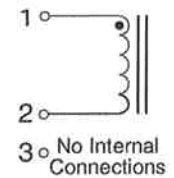
SUGGESTED PAD LAYOUT

Case Series



SUGGESTED PAD LAYOUT

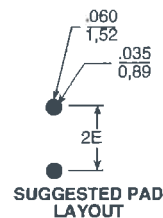
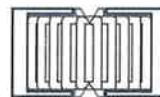
Schematic



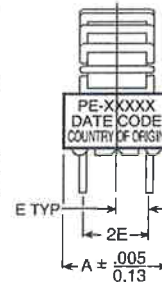
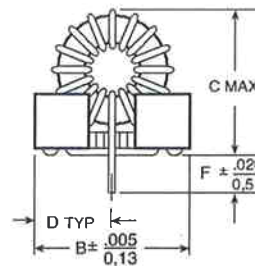
KlipMount Series

PKG	A	B	C	D	E
KM-2.0	.450 11,43	.650 16,51	.700 17,78	.325 8,26	.150 3,81
KM-3.0	.450 11,43	.830 21,08	.950 24,13	.415 10,54	.150 3,81
KM-4.0	.610 15,50	.970 24,64	1.10 27,94	.475 12,07	.225 5,72
KM-5.0	.700 17,78	1.30 33,02	1.40 35,56	.625 15,88	.250 6,35

Dimensions: Inches
mm
Unless otherwise specified, all tolerances are ± .010 / 0,25



SUGGESTED PAD LAYOUT



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From pulse website

STANDARD LOW POWER INDUCTORS

Switch Mode Power Converters & 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

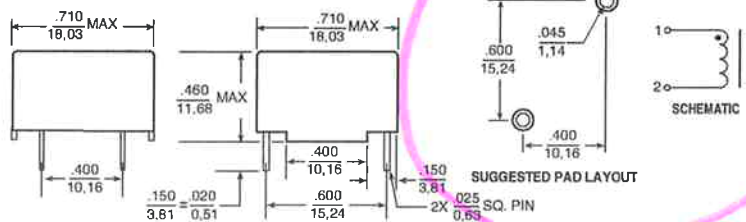
Electrical Specifications @ 25 °C — Operating Temperature -40 °C to 130 °C

Low Profile ³ Part Number	Vertical ³ Part Number	REFERENCE OPERATING VALUES				DESIGN CONTROL VALUES		
		Inductance Typical (μH)	I _{DC} 1 (AMPS)	Maximum ² ET _{OP} (V-μSec)	Energy Storage (μJ) ¹	Inductance No DC (μH ± 20%)	20kHz Test mV No DC	DCR (Ω MAX)
PE-52625NL	PE-52645NL	150	1.7	80	215	145	110	.42
PE-52626NL	PE-52646NL	220	1.5	90	240	226	140	.42
PE-52627NL	PE-52647NL	330	1.0	100	165	316	170	.78
PE-52628NL	PE-52648NL	470	.90	120	190	480	210	1.26
PE-52629NL	PE-52649NL	680	.85	175	245	690	250	1.50
PE-52630NL	PE-52650NL	820	.75	175	230	780	270	2.40
PE-52631NL	PE-52651NL	1000	.50	175	125	975	300	2.60

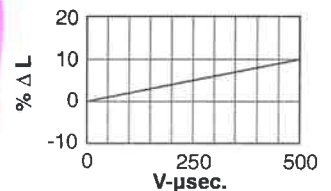
NOTES: 1. I_{DC} rated for 40°C Temperature rise @ low ET_{OP}. 2. Derate current 20% at this ET_{OP}.
3. The Leaded version of these parts is available by removing the "NL" suffix when ordering.

Mechanicals

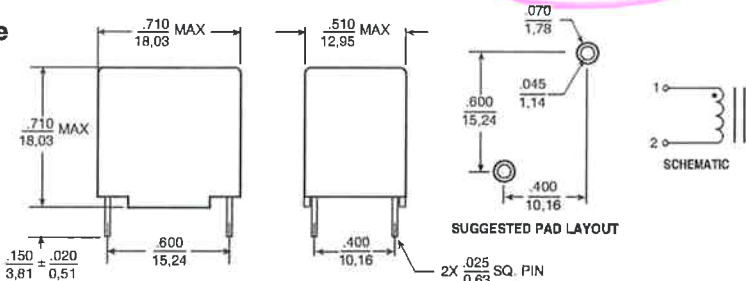
Low Profile Package



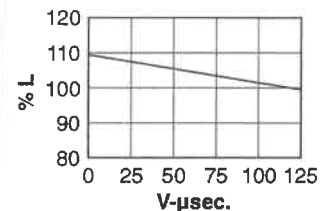
Inductance Characteristics



Vertical Package



Inductance Variance vs. E.T.



Unless otherwise specified, all tolerances are ± .010 / 0,25

Dimensions: inches / mm

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P587.B (1/06)