chanhvinh.com

THT/SMT POWER INDUCTORS
Toroid - Designed for National's 260kHz Simple Switcher™

Pulse
A TECHNITROL COMPANY

RoHS COMPLIANT



- Tested and recommended by National Semiconductor for the LM267X series
- Base material meets flammability requirements of UL 94V-0
- Available in surface mount and through hole versions

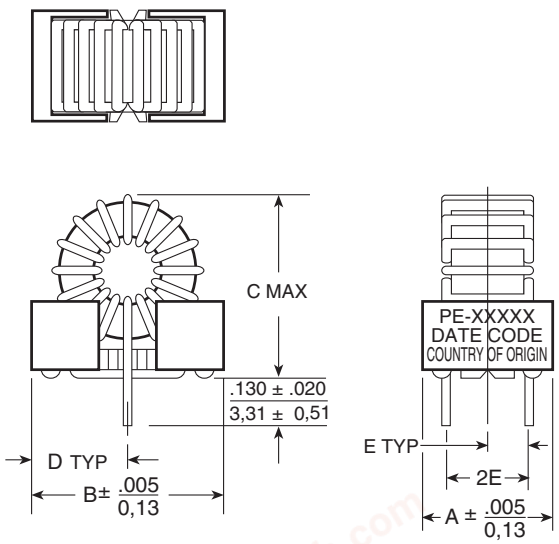
Electrical Specifications @ 25°C— Operating Temperature -40°C to +130°C [7]

Pulse [5] THT Part Number	Pulse [4,5] SMT Part Number	National Part Number	In Circuit Operating Parameters [1]			Nominal DCR (Ω)	Package		
			Nominal Inductance (µH)	Rated Current (ADC)	Max [2] ETOP (V-µSec)		Through Hole	Surface Mount	Lead Diameter
P0841NL	—	LM267X-L41	22.8	4.9	23.3	.036	KM-3.0	—	.035
P0845NL	—	LM267X-L45	10.2	4.3	10.0	.026	KM-1.1	—	.031
P0846NL	—	LM267X-L46	14.8	5.0	17.0	.023	KM-2.1	—	.035
P0847NL	—	LM267X-L47	10	5.0	13.0	.025	KM-2.0	—	.031
P0848NL	—	LM267X-L48	50	5.0	40.0	.050	KM-4.0	—	.039
P0849NL	—	LM267X-L49	33	5.0	36.0	.047	KM-4.0	—	.035
P0850NL	—	LM267X-L50	23	5.0	24.0	.026	KM-3.0	—	.043
—	**P0841SNL**	LM267X-L41	22.8	4.9	23.3	.036	—	HCI-68	
—	**P0845SNL**	LM267X-L45	10	4.3	10.0	.050	—	LCI-44	
—	**P0846SNL**	LM267X-L46	15	5.0	17.0	.027	—	LCI-50	
—	**P0847SNL**	LM267X-L47	11	5.0	13.0	.025	—	LCI-50	
—	**P0848SNL**	LM267X-L48	52 [6]	5.0	40.0	.025	—	Bigfoot	
—	**P0849SNL**	LM267X-L49	36 [6]	5.0	36.0	.019	—	Bigfoot	
—	**P0850SNL**	LM267X-L50	24.7 [6]	5.0	24.0	.013	—	Bigfoot	

Notes :
1. Inductance values may vary ±20%.
2. ETop rated at 260kHz.
3. SIMPLE SWITCHER™ is a trademark of National Semiconductor Corporation.
4. For SMT parts, optional Tape & Reel packaging can be ordered by adding a "**T**" suffix to the part number (i.e. P0841SNL becomes P0841SNL**T**). Pulse complies to industry standard tape and reel specification EIA481.
5. The "**NL**" suffix indicates an RoHS-compliant part number. Non-NL suffixed parts are not necessarily RoHS compliant, but are electrically and mechanically equivalent to NL versions. If a part number does not have the "**NL**" suffix, but an RoHS compliant version is required, please contact Pulse for availability.
6. Series connection (pins 2-4 connected)
7. The temperature of the component (ambient plus temperature rise) must be within the stated operating temperature range.

KlipMount™ Series

PKG	A	B	C	D	E
KM-1.1	.350 / 8,89	.580 / 14,74	.715 / 18,17	.290 / 7,37	.110 / 2,80
KM-2.0	.450 / 11,43	.650 / 21,08	.700 / 17,78	.325 / 8,26	.150 / 3,81
KM-2.1	.460 / 11,69	.670 / 17,02	.750 / 19,05	.335 / 8,51	.150 / 3,81
KM-3.0	.450 / 11,43	.830 / 21,09	.950 / 24,13	.415 / 10,55	.150 / 3,81
KM-4.0	.600 / 15,24	.950 / 24,13	1.350 / 34,29	.475 / 12,07	.225 / 5,72



Dimensions: Inches / mm

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

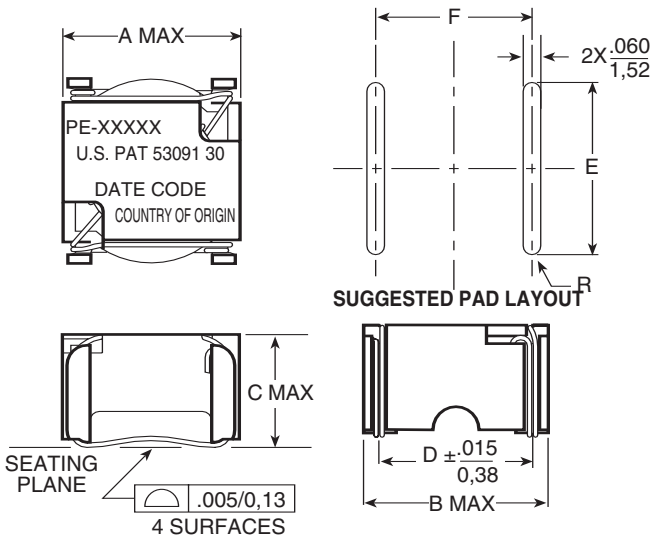
chanhvinh.com

THT/SMT POWER INDUCTORS
Toroid - Designed for National's 260kHz Simple Switcher™

Pulse A TECHNITROL COMPANY

Mechanicals

LCI Series



PKG	A	B	C	D	E	F
LCI-44	.600 15,24	.620 15,75	.390 9,91	.500 12,70	.550 13,97	.510 12,95
LCI-50	.670 17,02	.700 17,78	.390 9,91	.580 14,74	.620 15,75	.590 14,99

Note:
Coil must clear seating plane by .010 0,25 MIN

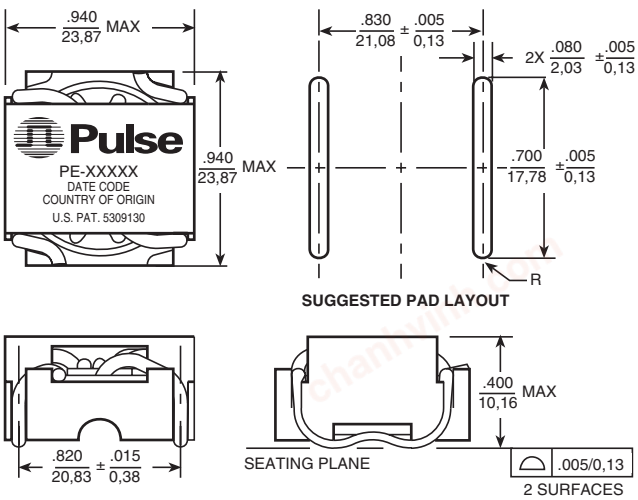
Dimensions: Inches / mm

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

Notes:
1. Dimension "D" is measured across terminal blocks only.
2. Coil must clear seating plane by .010 0,25 MIN.

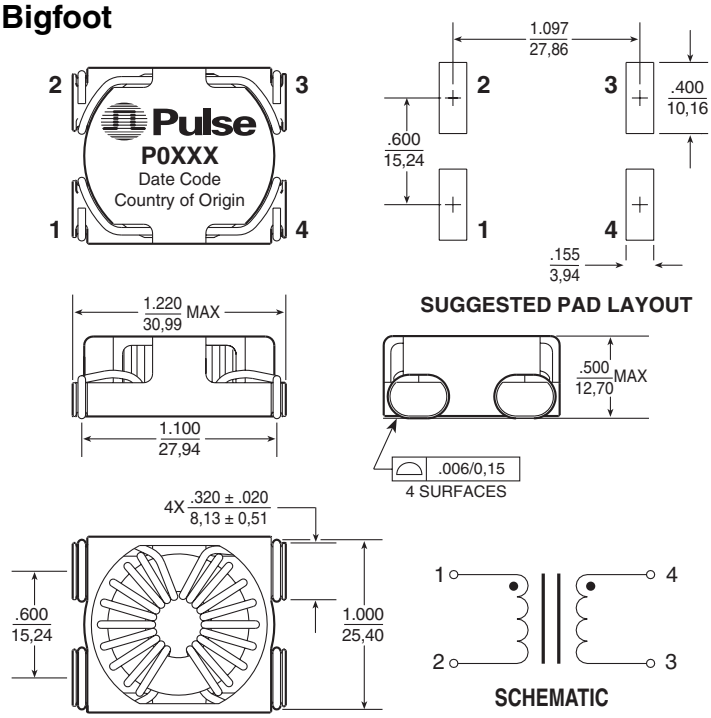
	LCI-44	LCI-50
Weight	3.6 grams	4.8 grams
Tape & Reel	200/reel	200/reel
Tube	30/tube	30/tube

HCI-68



Weight . . . . . .12.1 grams
Tape & Reel 100/reel
Tube 40/tube

Bigfoot



Weight . . . . . .18 grams
Tape & Reel 20/reel
Tube 75/tube