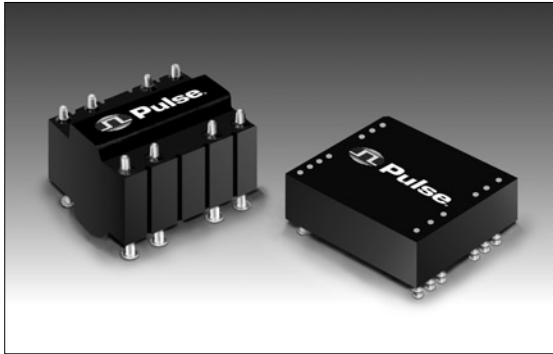


FLYBACK TRANSFORMERS

Designed for National's 100 KHz
Simple Switcher™

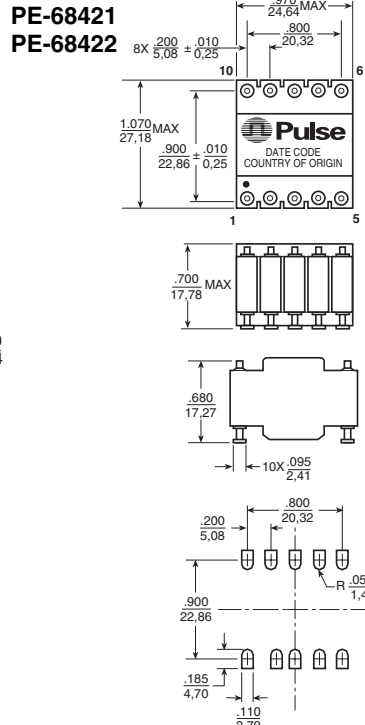
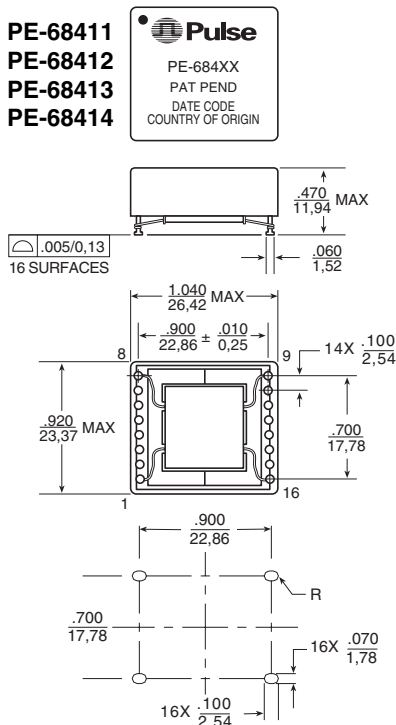


-  Designed for use with National's device numbers LM2585/86 and LM2587/88
-  Surface mount
-  Performance verified by National Semiconductor

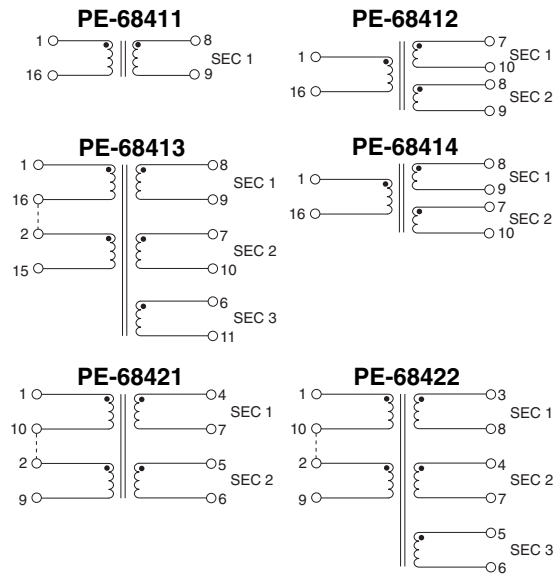
Electrical Specifications @ 25°C — Operating Temperature -30°C to 130°C

Part Number	Lp (μH NOM)	I _{in} peak	V _{in} (VDC)	V _{out 1} (VDC)	V _{out 2} (VDC)	V _{out 3} (VDC)	I _{out 1}	I _{out 2}	I _{out 3}	Turns Ratio	DCR Primary (Ω MAX)	DCR Sec 1 (Ω MAX)	DCR Sec 2 (Ω MAX)	DCR Sec 3 (Ω MAX)
PE-68411	22	4.85	4-6	3.3	—	—	1.8	—	—	1:1	0.04	0.04	—	—
			4-6	5	—	—	1.4	—	—					
			8-16	12	—	—	1.2	—	—					
PE-68412	22	5.00	4-6	12	-12	—	0.3	0.3	—	1:2.5:2.5	0.04	0.5	0.5	—
PE-68413	66	2.99	18-36	5	12	-12	1.8	0.25	0.25	1:0.5:1.15:1.15	0.30	0.04	0.80	0.80
PE-68414	65	2.98	18-36	12	-12	—	0.63	0.63	—	1:1.2:1.2	0.055	0.25	0.25	—
PE-68421	85	4.90	18-36	12	-12	—	1	1	—	1:0.8:0.8	0.12	0.22	0.22	—
PE-68422	85	4.92	18-36	5	12	-12	2.5	0.5	0.5	1:0.35:0.8:0.8	0.14	0.025	0.25	0.25

Mechanicals



Schematics

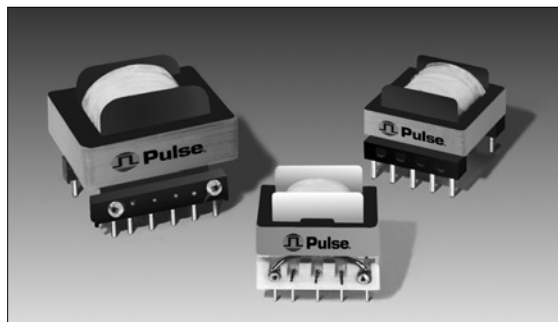


Dimensions: $\frac{\text{Inches}}{\text{mm}}$
Unless otherwise specified, all tolerances are $\pm \frac{.010}{0.25}$

NOTE: See Power Inductor Catalog (PC503) for information on Simple Switcher Inductors. Simple Switcher™ is a trademark of National Semiconductor Corporation.

U.S: 858 674 8100 • U.K: 44 1483 401 700 • France: 33 3 84 35 04 04 • Singapore: 65 287 8998 • Taiwan: 886 2 2698 0228 • <http://www.pulseeng.com>

Designed for National's 52 KHz Simple Switcher™



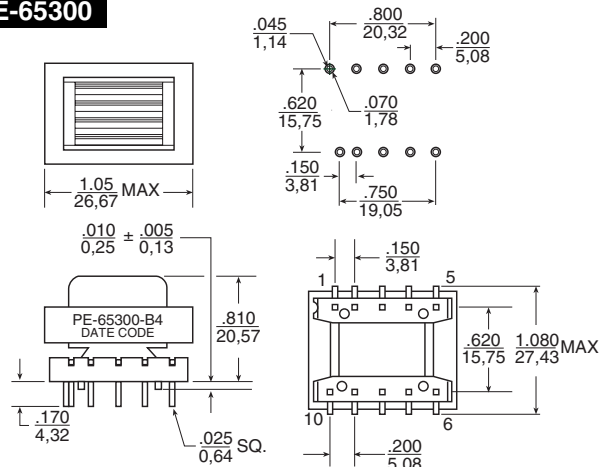
- Designed for use with National's device numbers LM1577/LM2577
- Base material meets flammability requirements of UL 94V-0
- Performance verified by National Semiconductor

Electrical Specifications @ 25°C — Operating Temperature -30°C to 130°C

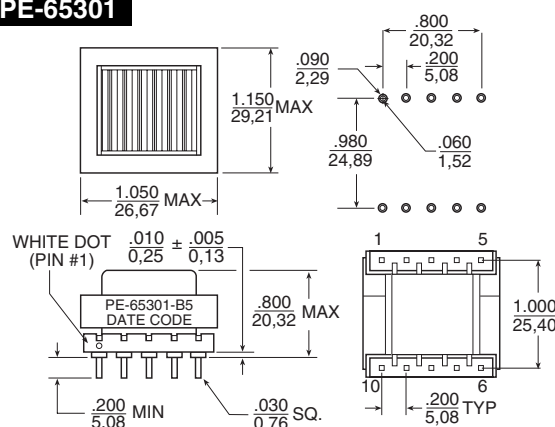
Part Number	Turns Ratio (± 3%)	Primary Inductance (± 10% µH)	Leakage Inductance (µH MAX)	PRI DCR (Ω MAX)	SEC DCR (Ω MAX)	Hipot (V _{RMS})
PE-65300	1:2 CT	100	1	.058	.450	600
PE-65301	1:1 CT	200	5	.075	.380	600
PE-65302	1:1 CT	400	10	.155	.260	600

Mechanicals

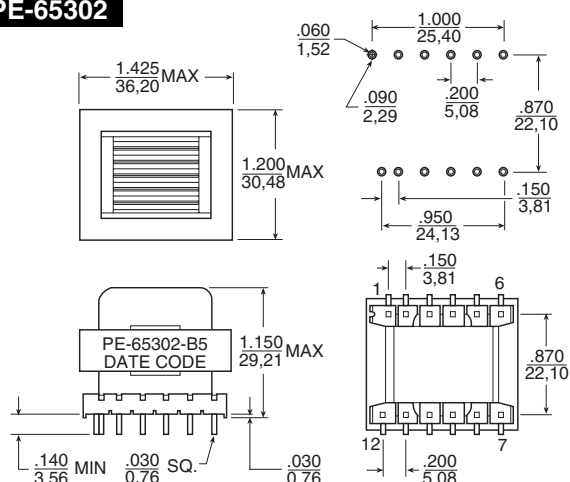
PE-65300



PE-65301



PE-65302



Schematics



PE-65300 & PE-65301

PE-65302

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

Unless otherwise specified, all tolerances are $\pm \frac{.010}{0.25}$

Parts per package80

NOTE: See Power Inductor Catalog (PC503) for information on Simple Switcher Inductors. Simple Switcher™ is a trademark of National Semiconductor Corporation.