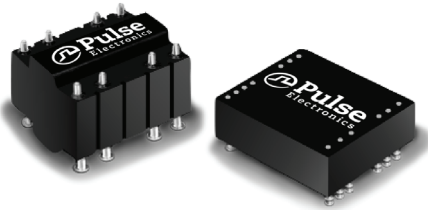


SMT Flyback Transformers

For National's 100kHz Simple Switcher™



Designed for use with National's device numbers
LM2585/86 and LM2587/88



Performance verified by National Semiconductor

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

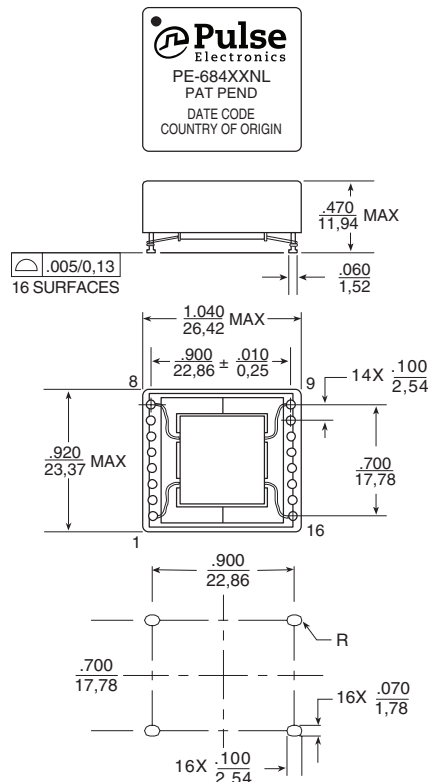
Part Number	LP (H NOM)	I _{IN} (H NOM)	V _{IN} (V _{DC})	V _{OUT 1} (V _{DC})	V _{OUT 2} (V _{DC})	V _{OUT 3} (V _{DC})	I _{OUT 1}	I _{OUT 2}	I _{OUT 3}	Turns Ratio	DCR Primary (MAX)	DCR Sec 1 (Ω MAX)	DCR Sec 2 (Ω MAX)	DCR Sec 3 (Ω MAX)
PE-68411NL	22	4.85	4-6	3.3	—	—	1.8	—	—	1:1	0.04	0.04	—	—
			4-6	5	—	—	1.4	—	—					
			8-16	12	—	—	1.2	—	—					
PE-68412NL	22	5.00	4-6	12	-12	—	0.3	0.3	—	1:2.5:2.5	0.04	0.5	0.5	—
PE-68413NL	66	2.99	18-36	5	12	-12	1.8	0.25	0.25	1:0.5:1.15:1.15	0.03	0.80	0.80	0.80
PE-68414NL	65	2.98	18-36	12	-12	—	0.63	0.63	—	1:1.2:1.2	0.25	0.25	0.25	—
PE-68421NL	85	4.90	18-36	12	-12	—	1	1	—	1:0.8:0.8	0.22	0.22	0.22	—
PE-68422NL	85	4.92	18-36	5	12	-12	2.5	0.5	0.5	1:0.35:0.8:0.8	0.025	0.25	0.25	0.25

Notes: Simple Switcher™ is a trademark of National Semiconductor Corporation

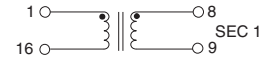
Mechanical

Schematic

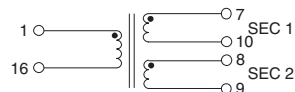
PE-68411NL, PE-68412NL, PE-68413NL, PE-68414NL



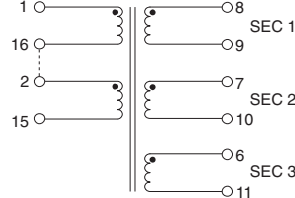
PE-68411NL



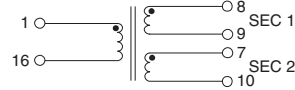
PE-68412NL



PE-68413NL



PE-68414NL



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

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

USA 858 674 8100

Germany 49 7032 7806 0

Singapore 65 6287 8998

Shanghai 86 21 62787060

China 86 755 33966678

Taiwan 886 3 4356768

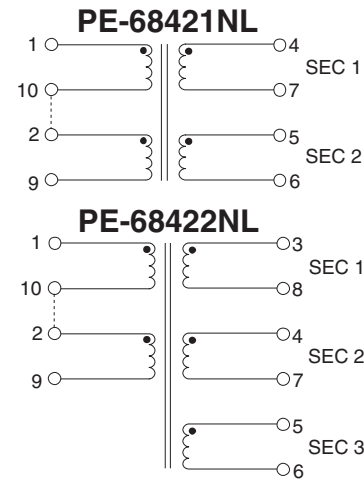
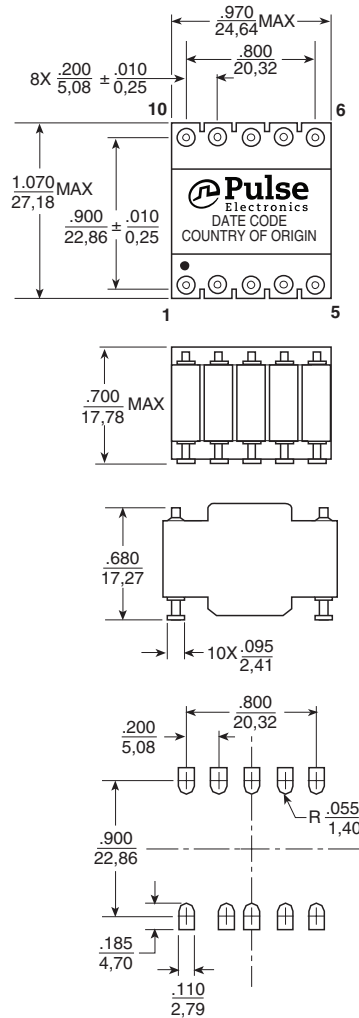
SMT Flyback Transformers

For National's 100kHz Simple Switcher™

Mechanical (continued)

Schematic

PE-68421NL, PE-68422NL



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

Unless otherwise specified, all tolerances are $\pm \frac{.010}{0,25}$

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