Isolation Power Transformers

EE5 Platform SMD

- *Push Pull Converter Transformer*
- *Operational Insulation*
- *1.5KVrms isolation*
- *Compact and cost effective industrial design*
- *Output: 1.0W max*

Electrical Specifications @ 25°C – Operating Temperature -40°C to +125°C

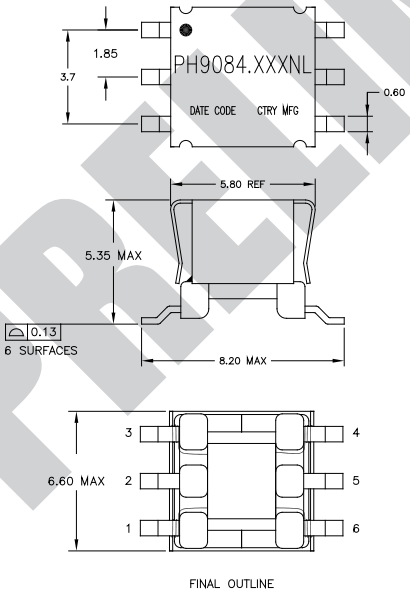
Part Number	Inductance (1-3) (µH ±35%)	Leakage Inductance (1-3) with (4-6) shorted (µH MAX)	Capacitance (1, 2, 3) to (4, 5, 6) (pF MAX)	DCR (1-3) (Ω MAX)	DCR (4-6) (Ω MAX)	MAX (1-3)[1] (V-µsec Max)	Turns Ratio (1:3) (6:4)	Isolated Voltage (Vrms)
PH9084.011NL	456	3.0	15	2.0	2.0	37	1CT : 1CT	1500
PH9084.034NL	256	3.0	15	1.6	2.0	28	3CT : 4CT	
PH9084.043NL	456	3.0	15	2.0	2.0	37	4CT : 3CT	
PH9084.021NL	456	3.0	15	2.0	1.2	37	2CT : 1CT	

Notes:

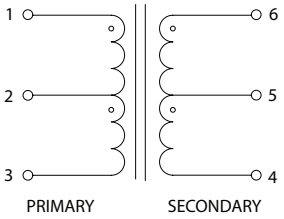
1. The maximum volt-usec rating limits the peak flux density to 3600 gauss when used in bi-polar drive application with 200KHz. For unipolar drive applications or a bi-polar drive with 350kHz, a maximum volt-usec could be 60% of the listed value. For Push-Pull topology, where the voltage is applied across half the primary winding turns, the maximum volts-use needs to be derated by 50%.
2. Optional Tape & Reel packing can be ordered by adding a "**T**" suffix to the part number (i.e. PH9084.011NL becomes PH9084.011NL**T**). Pulse complies to industry standard tape and reel specification EIA481.
3. The "NL" suffix indicates an RoHS-compliant part number.

Mechanical

PH9084.XXXNL



Schematic



Weight 0.37grams
Tape & Reel 1000/reel
Tray 120/tray

Dimensions: Inches / mm

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