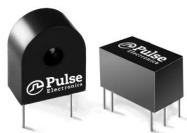
# THT Current Sense Transformers & Inductors









- VDE Approved
- Designed for switching power supply applications
- @ Transformer meets EN62368-1 insulation requirements
- Frequency range from 20kHz to 200kHz

Electrical Specifications @ 25°C – Operating Temperature –40°C to +125°C												
Part Number Transformer with 2-1 T Primaries	Schem. Figure	Part Number Transformer with 1T Primary	Schem. Figure	Part Number Inductor without Primary	Schem. Figure	Turns Ns	Secondary Inductance MH (MIN)	Secondary Inductance Test Voltage (15.75 KHz)	$\begin{array}{c} \text{RS} \\ (\Omega \text{ MAX}) \end{array}$	<b>RT</b> (Ω MAX)	Primary Unipolar Amp µ Sec. Rating (MAX)	Primary Bipolar Amp µ Sec. Rating (MAX)
	10	PE-63586NL	1A	PE-51686NL	2A	50	5.0	0.5	0.7	50	150	300
PE-64487NL	10	PE-63587NL	1A	PE-51687NL	2A	100	20.0	1.0	1.40	100	300	600
PE-64488NL	1C	PE-63588NL	1A	PE-51688NL	2A	200	80.0	2.0	4.50	200	600	1200
PE-64517NL	1D			PE-51717NL	2B	50CT	5.0	0.5	0.7	50	150	300
PE-64518NL	1D	PE-63618NL	1B	PE-51718NL	2B	100CT	20.0	1.0	1.40	100	300	600
PE-64519NL	1D	PE-63619NL	1B	PE-51719NL	2B	200CT	80.0	2.0	4.50	200	600	1200
		PE-63691NL	1B			300CT	180.0	3.0	11.0	300	900	1800

#### Notes:

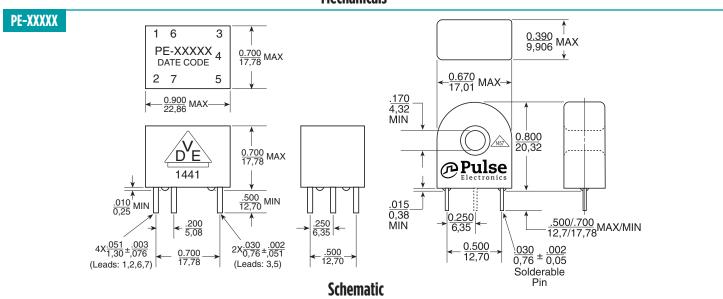
- 1. Maximum ratings specified with rated secondary terminating resistance and 1 turn primary.
- Amp-microsend (AμSec.) rating of primary equalts volt microsend (VμSec.)
  rating of secondary when secondary is terminated in rated resistance. (Ampmicrosends is equal to the product of a square pulse of current in amps, times
  the current pulse width in microseconds.
- 3. Maximum operating temperature 105°C (ambient plus rise).

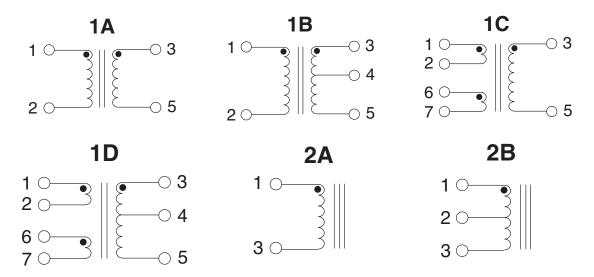
- 4. When terminated with rated terminating resistance, the inductor scale factor is Vout = 1 volt per amp. for center tapped units terminating resistance for each half of winding is listed value divided by two.
- 5.1 turn primary peak sense current is 20 amps for all parts listed above.

PulseElectronics.com P578.E (11/21)

# THT Current Sense Transformers & Inductors

### **Mechanicals**





#### For More Information:

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