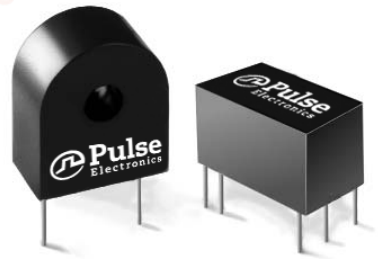
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THT Current Sense Transformers & Inductors

Pulse A YAGEO Company



- *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)	**RS** (Ω MAX)	**RT** (Ω MAX)	**Primary Unipolar Amp μ Sec. Rating** (MAX)	**Primary Bipolar Amp μ Sec. Rating** (MAX)
——	1C	**PE-63586NL**	1A	**PE-51686NL**	2A	50	5.0	0.5	0.7	50	150	300
PE-64487NL	1C	**PE-63587NL**	1A	**PE-51687NL**	2A	100	2.0	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:

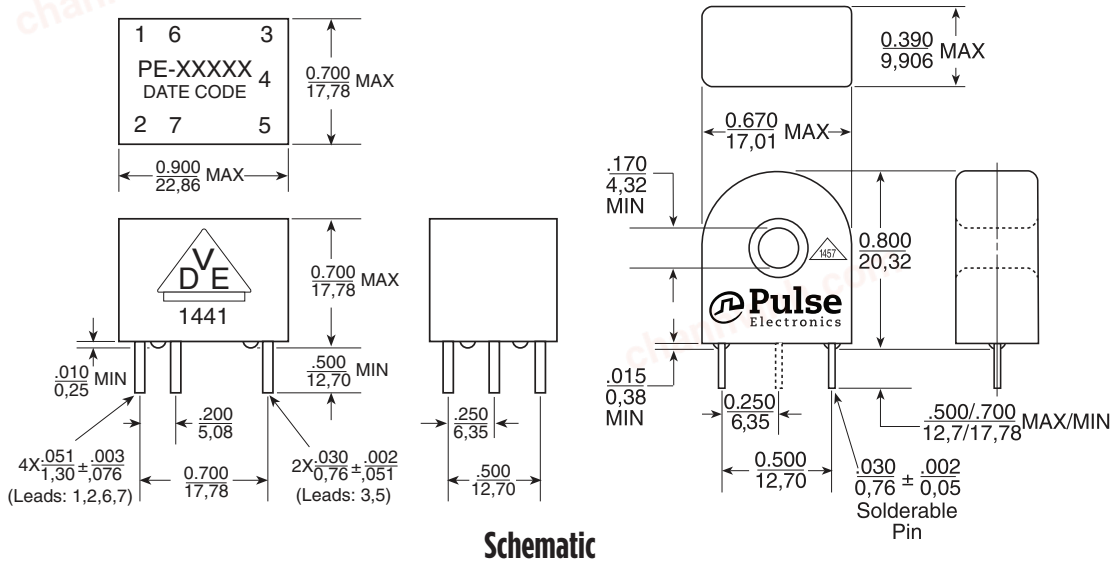
1. Maximum ratings specified with rated secondary terminating resistance and 1 turn primary.
2. Amp-microsend (AμSec.) rating of primary equalts volt microsend (VμSec.) rating of secondary when secondary is terminated in rated resistance. (Amp - microsends is equal to the product of a square pulse of 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.

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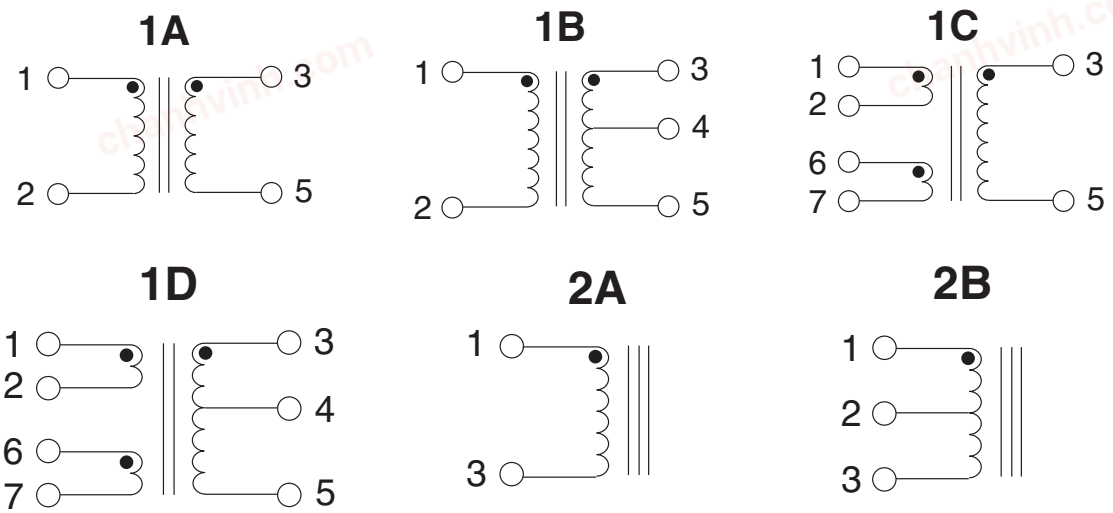
THT Current Sense Transformers & Inductors

Mechanicals

PE-XXXXX



Schematic



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