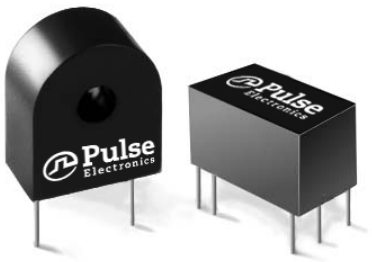
THT Current Sense Transformers & Inductors

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	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

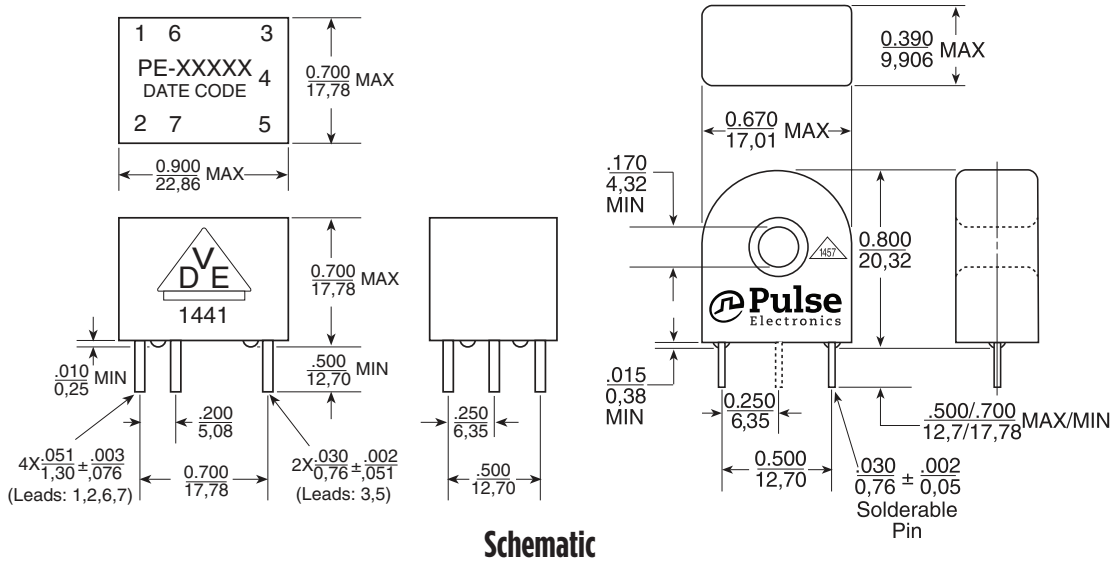
Notes:

1. Maximum ratings specified with rated secondary terminating resistance and 1 turn primary.
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.

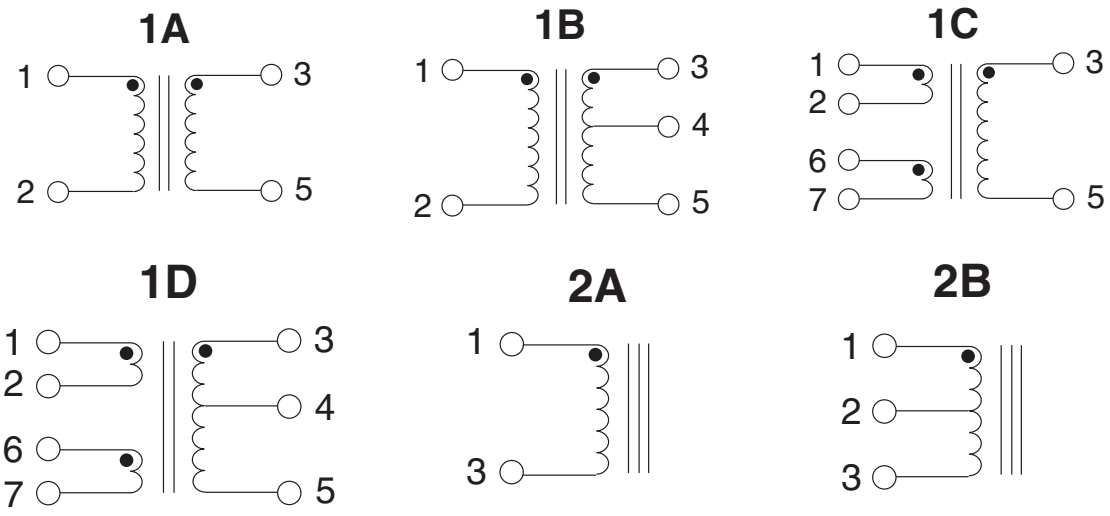
THT Current Sense Transformers & Inductors

Mechanicals

PE-XXXXX



Schematic



For More Information:

Americas - prodinfo_power@pulseelectronics.com | **Europe -** Prodinfo_power_EMEA@pulseelectronics.com | **Asia -** Prodinfo_power_Asia@pulseelectronics.com

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Global Electronic Components Distributor

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BSPQ000603041N4B00 BSPQ000603043N0B00 E5J88-032-02-L PG2290.151HLT W1902 PA4320.334NLT PA4343.451NLT PE-68386NLT W3078 W3334B0150 DPX1608LKF3R2460A PA2744NL ANT1204F007R0870A JXD0-2015NL PA4341.301NLT PGL6395.121HLT JXD2-0Z10NL P0585NL PA0369NL PA4320.104NLT PA4341.221NLT PD617-6000M243 W1093 BDHE002520122R2MQ1 AWCS0012070736NJ00 PAT6261.003NLT PE-67100NL PA4343.361NLT PD380-4000S1NF BBUP00201209121Y00