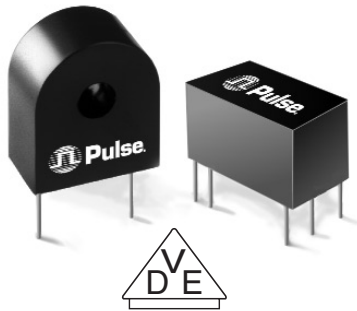






# THT CURRENT SENSE TRANSFORMERS & INDUCTORS



-  VDE Approved
-  Designed for switching power supply applications
-  Transformer meets IEC950 insulation requirements
-  Frequency range from 20kHz to 200kHz

## Electrical Specifications @ 25°C — Operating Temperature -40°C to 130°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 NOM)	Primary Unipolar Amp μ Sec. Rating (MAX)	Primary Bipolar Amp μ Sec. Rating (MAX)
—	1C	<b>PE-63586</b>	1A	<b>PE-51686</b>	2A	50	5.0	0.5	0.7	50	150	300
<b>PE-64487</b>	1C	<b>PE-63587</b>	1A	<b>PE-51687</b>	2A	100	20.0	1.0	1.40	100	300	600
<b>PE-64488</b>	1C	<b>PE-63588</b>	1A	<b>PE-51688</b>	2A	200	80.0	2.0	4.50	200	600	1200
<b>PE-64517</b>	1D	<b>PE-63617</b>	1B	<b>PE-51717</b>	2B	50CT	5.0	0.5	0.7	50	150	300
<b>PE-64518</b>	1D	<b>PE-63618</b>	1B	<b>PE-51718</b>	2B	100CT	20.0	1.0	1.40	100	300	600
<b>PE-64519</b>	1D	<b>PE-63619</b>	1B	<b>PE-51719</b>	2B	200CT	80.0	2.0	4.50	200	600	1200
—	—	<b>PE-63691</b>	1B	—	—	300CT	180.0	3.0	11.0	300	900	1800

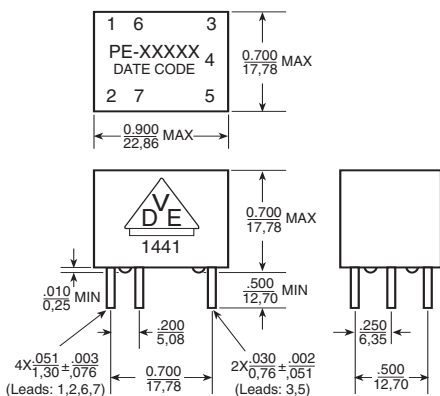
### NOTES:

- Maximum ratings specified with rated secondary terminating resistance and 1 turn primary.
- Amp-microsecond (AμSec.) rating of primary equals volt microsecond (VμSec.) rating of secondary when secondary is terminated in rated resistance. (Amp—microseconds is equal to the product of a square pulse of current in amps, times the current pulse width in microseconds.
- Maximum operating temperature 105°C (ambient plus rise).
- 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.
- 1 turn primary peak sense current is 20 amps for all parts listed above.

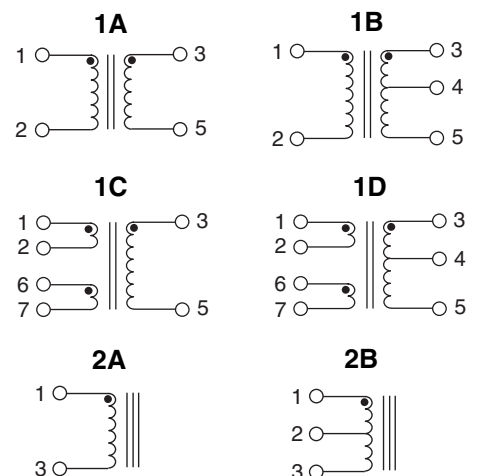
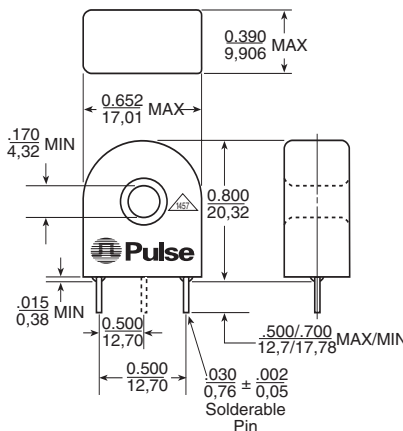
## Mechanicals

## Schematics

### Transformer



### Inductor



Dimensions:  $\frac{\text{Inches}}{\text{mm}}$  Unless otherwise specified, all tolerances are  $\pm \frac{.005}{0.13}$

## For More Information :

<b>UNITED STATES (Worldwide)</b> 12220 World Trade Drive San Diego, CA 92128 U.S.A. http://www.pulseeng.com TEL: 858 674 8100 FAX: 858 674 8262	<b>UNITED KINGDOM (Northern Europe)</b> 1 & 2 Huxley Road The Surrey Research Park Guildford, Surrey GU2 5RE United Kingdom TEL: 44 1483 401700 FAX: 44 1483 401701	<b>FRANCE (Southern Europe)</b> Zone Industrielle F-39270 Orgelet France TEL: 33 3 84 35 04 04 FAX: 33 3 84 25 46 41	<b>SINGAPORE (Southern Asia)</b> 150 Kampong Ampat #07-01/02 KA Centre Singapore 368324 TEL: 65 6287 8998 FAX: 65 6280 0080	<b>TAIWAN, R.O.C. (Northern Asia)</b> 3F-4, No. 81, Sec. 1 HsinTai Wu Road Hsi-Chih, Taipei Hsien Taiwan, R.O.C. Tel: 886 2 2698 0228 FAX: 886 2 2698 0948	<b>HONG KONG (China/Hong Kong)</b> 9/F, Phase 2, Tai Sang Shatin Warehouse Centre 6 Wong Chuk Yeung Street Fotan, Shatin, Hong Kong TEL: 852 2788 6588 FAX: 852 2776 1055	<b>DISTRIBUTOR</b>
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