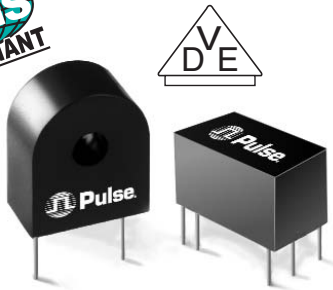


THT CURRENT SENSE TRANSFORMERS & INDUCTORS



- 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

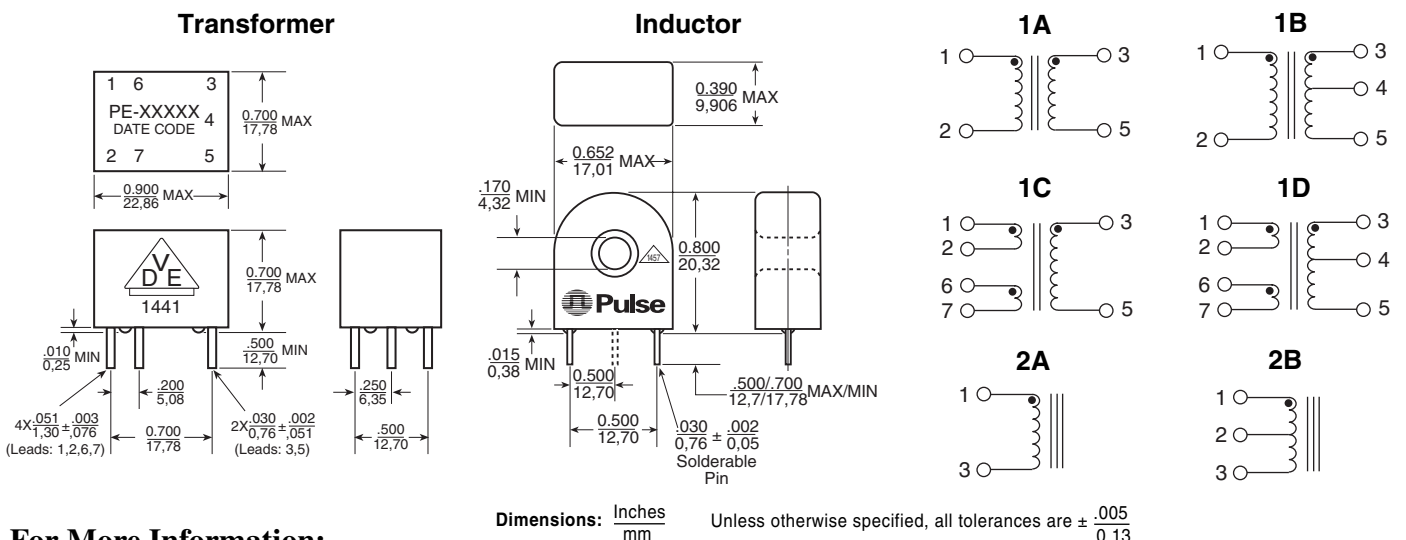
| Part Number Transformer with 2-1 T Primaries | Schem. Figure | Part Number Transformer with 1T Primary | Schem. Figure | Part Number Inductor without Primary | Schem. Figure | Turns Ns | Secondary Inductance MH (MIN) | Secondary Inductance Test Voltage (15.75 KHz) | RS (Ω MAX) | RT (Ω NOM) | Primary Unipolar Amp μ Sec. Rating (MAX) | Primary Bipolar Amp μ Sec. Rating (MAX) |
|--|---------------|---|---------------|--------------------------------------|---------------|----------|-------------------------------|---|------------|------------|--|---|
| — | 1C | PE-63586 | 1A | PE-51686 | 2A | 50 | 5.0 | 0.5 | 0.7 | 50 | 150 | 300 |
| PE-64487 | 1C | PE-63587 | 1A | PE-51687 | 2A | 100 | 20.0 | 1.0 | 1.40 | 100 | 300 | 600 |
| PE-64488 | 1C | PE-63588 | 1A | PE-51688 | 2A | 200 | 80.0 | 2.0 | 4.50 | 200 | 600 | 1200 |
| PE-64517 | 1D | — | — | PE-51717 | 2B | 50CT | 5.0 | 0.5 | 0.7 | 50 | 150 | 300 |
| PE-64518 | 1D | PE-63618 | 1B | PE-51718 | 2B | 100CT | 20.0 | 1.0 | 1.40 | 100 | 300 | 600 |
| PE-64519 | 1D | PE-63619 | 1B | PE-51719 | 2B | 200CT | 80.0 | 2.0 | 4.50 | 200 | 600 | 1200 |
| — | — | PE-63691 | 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 $V_{out} = 1$ 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.
- RoHS compliant parts are being introduced. Please contact Pulse for RoHS compliant part availability. If available, order part by adding the suffix "NL" to the part number (i.e. PE-63586 becomes PE-63586NL).

Mechanicals

Schematics



For More Information:

| Pulse Worldwide Headquarters | Pulse Northern Europe | Pulse Southern Europe | Pulse China Headquarters | Pulse North China | Pulse South Asia | Pulse North Asia |
|--|--|---|--|---|---|--|
| 12220 World Trade Drive San Diego, CA 92128 U.S.A. www.pulseeng.com TEL: 858 674 8100 FAX: 858 674 8262 | 3 Huxley Road Surrey Research Park Guildford, Surrey GU2 5RE United Kingdom TEL: 44 1483 401700 FAX: 44 1483 401701 | Zone Industrielle F-39270 Orgelet France TEL: 33 3 84 35 04 04 FAX: 33 3 84 25 46 41 | No. 1 Industrial District Changan, Dongguan China TEL: 86 769 5538070 FAX: 86 769 5538870 | Room 1503 XinYin Building No. 888 YiShan Road Shanghai 200233 China TEL: 86 21 54643211/2 FAX: 86 21 54643210 | 150 Kampong Ampat #07-01/02 KA Centre Singapore 368324 TEL: 65 6287 8998 FAX: 65 6280 0080 | No. 26 Kao Ching Road Yang Mei Chen Taoyuan Hsien Taiwan, R. O. C. TEL: 886 3 4641811 FAX: 886 3 4641911 |

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