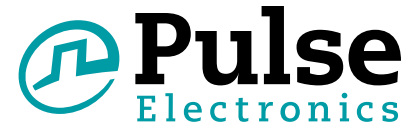
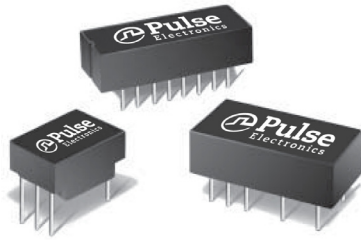


T1/Cept/ISDN-PRI Transformers

Single Through Hole, 1500Vrms



- RoHS peak reflow temperature rating: 245°C
- Extended and standard temperature range
- Dual and single through hole models available
- Models matched to leading transceiver ICs
- UL recognized
- Isolation Voltage: 1500 Vrms MIN

Electrical Specifications @ 25°C

| RoHS-6 Compliant Part Number | Turns Ratio ^B (Pri:Sec ±2%) | OCL @ 25°C (mH MIN) | C _{w/w} (pF MAX) | L _L (μH MAX) | DCR Pri (Ω MAX) | DCR Sec (Ω MAX) | Package/Schematic | Primary Pins |
|---|--|---------------------|---------------------------|-------------------------|-----------------|-----------------|-------------------|--------------|
| Standard Temperature Range Single Transformers - Operating Temperature 0°C to +70°C | | | | | | | | |
| PE-64931NL | 1:1:1 (1:2CS) | 1.20 | 25 | 0.50 | 0.70 | 0.70 & 0.70 | HC/2 | 1-2 |
| PE-64934NL | 1:1:w | 1.20 | 25 | 0.50 | 0.70 | 0.70 | HC/1 | 1-2 |
| PE-64936NL ^E | 1CT:1 | 1.20 | 25 | 0.80 | 0.70 | 0.70 | HC/3 | 1-5 |
| PE-64937NL | 1:1:36 | 1.20 | 35 | 0.80 | 0.70 | 0.80 | HC/1 | 5-6 |
| PE-65351NL | 1:2CT | 1.20 | | 0.50 | 0.70 | 1.30 | HC/3 | 2-6 |
| PE-65363NL | 1:4CT | 0.50 | 40 | 1.00 | 0.70 | 1.50 | HC/5 | 1-5 |
| PE-65388NL | 1:1.15CT | 1.50 | 35 | 0.60 | 0.70 | 0.90 | HC/3 | 2-6 |
| PE-65389NL ^E | 1:1/1.26 | 1.50 | 40 | 0.40 | 0.70 | 0.90 | HC/3 | 2-6 |
| PE-65415NL | 1CT:2CT | 1.20 | 30 | 0.50 | 0.70 | 1.20 | HC/4 | 1-5 |
| PE-68644NL | 1CT:1 | 0.70 | 20 | 0.70 | 0.20 | 0.80 | HC/3 | 1-5 |
| Extended Temperature Range Single Transformer - Operating Temperature -40°C to +85°C | | | | | | | | |
| PE-65770NL | 1:1.15CT | 1.50 | 40 | 0.80 | 0.90 | 1.00 | HC/3 | 2-6 |
| PE-65771NL | 1CT:2CT | 1.20 | 50 | 0.60 | 1.00 | 2.00 | HC/4 | 2-6 |
| PE-65778NL | 1CT:1CT | 1.20 | 40 | 1.00 | 1.00 | 1.00 | HC/4 | 1-5 |
| TX1252NL | 1CT:1 | 1.20 | 40 | 1.00 | 1.00 | 1.00 | HC/3 | 1-5 |

ages 7 and 8 for Table Notes.

Mechanical

Schematic

HC

Notes: Leads are 24 AWG solderable. Unused pins not provided.

Dimensions: $\frac{\text{Inches}}{\text{mm}}$ Unless otherwise specified, all tolerances are $\pm \frac{.010}{0,25}$

Weight2 grams
 Tube60/tube

USA 858 674 8100

Germany 49 7032 7806 0

Singapore 65 6287 8998

Shanghai 86 21 62787060

China 86 755 33966678

Taiwan 886 3 4756768

T1/Cept/ISDN-PRI Transformers

Dual Through Hole, 1500 Vrms



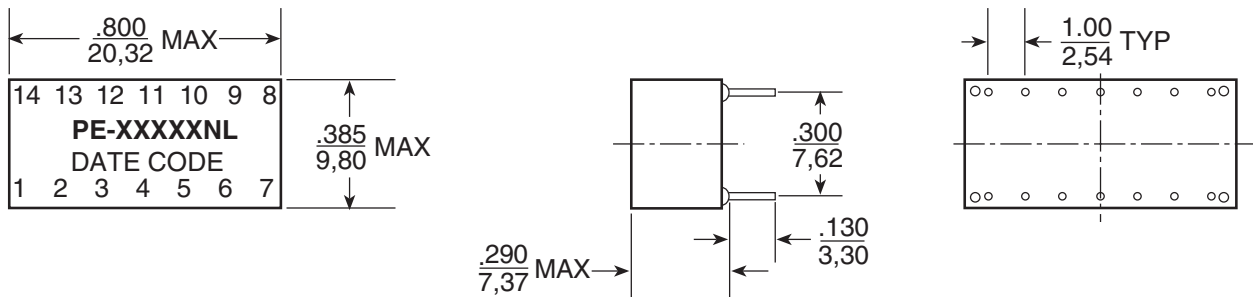
Electrical Specifications @ 25°C

| RoHS-6 Compliant Part Number | Turns Ratio ^B (Pri:Sec ±5%) | OCL @ 25°C (mH MIN) | C _{w/w} (pF MAX) | L _L (μH MAX) | DCR Pri (Ω MAX) | DCR Sec (Ω MAX) | Package/Schematic | Primary Pins |
|--|--|---------------------|---------------------------|-------------------------|-----------------|-----------------|-------------------|--------------|
| Standard Temperature Range Single Transformers - Operating Temperature 0°C to +70°C | | | | | | | | |
| PE-64952NL | 1:2CT & 1:1.36 | 1.20 & 1.20 | 35 & 35 | 0.50 & 0.80 | 0.80 & 0.80 | 1.20 & 1.00 | HD/2 | 14-12, 5-7 |
| PE-65565NL | 1:1.15CT & 1:2CT | 1.50 & 1.20 | 35 & 40 | 0.60 & 0.50 | 0.70 & 0.70 | 1.10 & 1.30 | TD/1 | 14-12, 5-7 |

See Pages 7 and 8 for Table Notes.

Mechanics

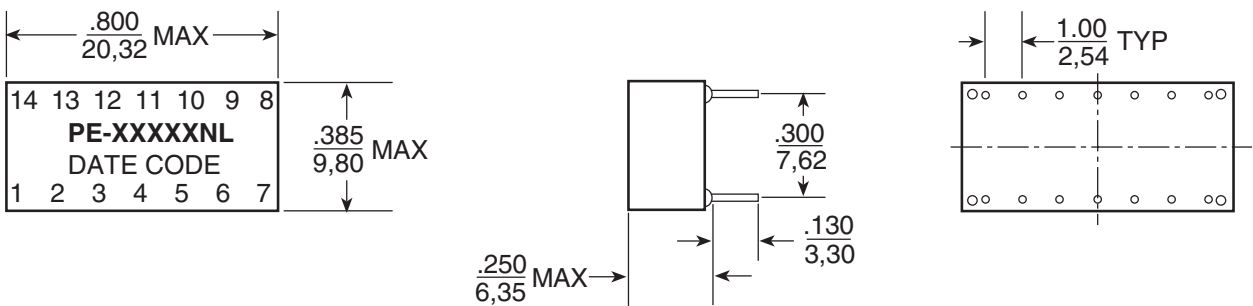
TD DUAL



Weight2.6 grams
 Tube25/tube

Dimensions: $\frac{\text{Inches}}{\text{mm}}$
 Unless otherwise specified, all tolerances are $\pm \frac{.010}{0,25}$

HD DUAL



Weight2.3 grams
 Tube25/tube

Dimensions: $\frac{\text{Inches}}{\text{mm}}$
 Unless otherwise specified, all tolerances are $\pm \frac{.010}{0,25}$

Schematics

