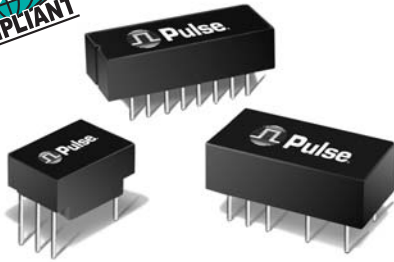


T1/CEPT/ISDN-PRI TRANSFORMERS

Single Through Hole, 1500Vrms



- Ⓢ Extended and standard temperature range
- Ⓢ Dual and single through hole models available
- Ⓢ Models matched to leading transceiver ICs
- Ⓢ UL recognized
- Ⓢ Isolation Voltage: 1500Vrms MIN
- Ⓢ RoHS compliant versions available upon request

Electrical Specifications @ 25°C

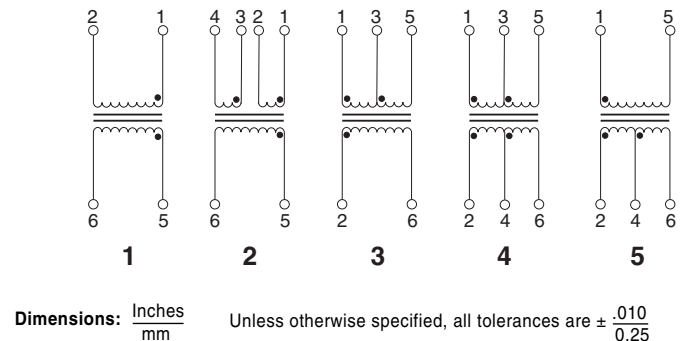
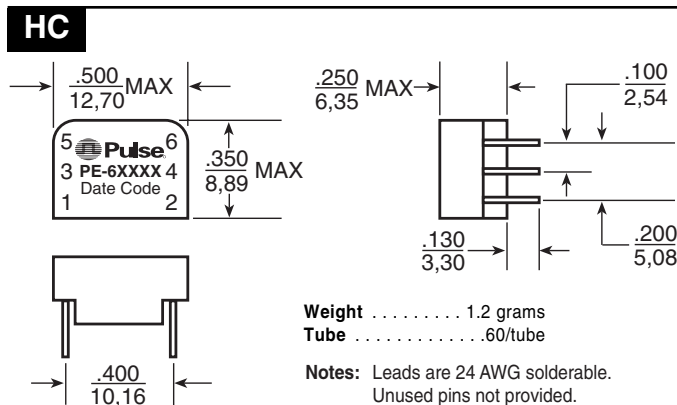
| Part Number | Turns Ratio ^B (Pri:Sec ±5%) | OCL @ 25°C (mH MIN) | C _{w/w} (pF MAX) | L _L (μH MAX) | DCR Pri (Ω MAX) | DCR Sec (Ω MAX) | Package/ Schematic | Primary Pins |
|--|---|------------------------|------------------------------|----------------------------|--------------------|--------------------|-----------------------|-----------------|
| STANDARD TEMPERATURE RANGE SINGLE TRANSFORMERS – OPERATING TEMPERATURE 0°C TO +70°C | | | | | | | | |
| PE-64931 | 1:1:1 (1:2CS) | 1.20 | 25 | 0.50 | 0.70 | 0.70 & 0.70 | HC/2 | 1-2 |
| PE-64933 | 1CT:3CT | 1.20 | 30 | 0.50 | 0.70 | 1.60 | HC/4 | 1-5 |
| PE-64934 | 1:1 | 1.20 | 25 | 0.50 | 0.70 | 0.70 | HC/1 | 1-2 |
| PE-64936 | 1CT:1 | 1.20 | 25 | 0.80 | 0.70 | 0.70 | HC/3 | 1-5 |
| PE-64937 | 1:1.36 | 1.20 | 35 | 0.80 | 0.70 | 0.80 | HC/1 | 5-6 |
| PE-64940 | 1.26CS:1 (1:1:1.58) | 0.30 | 30 | 0.60 | 0.80 | 0.60 | HC/2 | 1-4 |
| PE-64941 ^D | 1CS:1 | 0.80 | 30 | 0.60 | 0.80 | 0.60 | HC/2 | 1-4 |
| PE-64942 | 1CS:1.31 | 0.80 | 30 | 0.40 | 0.80 | 0.60 | HC/2 | 1-4 |
| PE-64943 ^A | 1CT:2CT | 1.20 | 30 | 0.30-0.55 | 0.70 | 1.20 | HC/4 | 1-5 |
| PE-65351 | 1:2CT | 1.20 | 40 | 0.50 | 0.70 | 1.30 | HC/3 | 2-6 |
| PE-65363 | 1:4CT | 0.50 | 40 | 1.00 | 0.50 | 1.50 | HC/5 | 1-5 |
| PE-65379 | 1:1.14CT | 1.20 | 35 | 0.80 | 0.70 | 0.80 | HC/5 | 1-5 |
| PE-65388 | 1:1.15CT | 1.50 | 35 | 0.60 | 0.70 | 0.90 | HC/3 | 2-6 |
| PE-65389 ^E | 1:1/1.26 | 1.50 | 40 | 0.40 | 0.70 | 0.90 | HC/3 | 2-6 |
| PE-65415 | 1CT:2CT | 1.20 | 30 | 0.50 | 0.70 | 1.20 | HC/4 | 1-5 |
| PE-65558 | 1:2.3CT | 1.20 | 35 | 0.80 | 0.70 | 1.40 | HC/5 | 1-5 |
| PE-65586 | 1:1.36CT | 1.20 | 35 | 0.80 | 0.70 | 0.90 | HC/5 | 1-5 |
| PE-65755 | 1CT:1CT | 1.20 | 25 | 0.80 | 0.80 | 0.80 | HC/4 | 1-5 |
| PE-68644 | 1CT:1 | 0.70 | 20 | 0.70 | 0.20 | 0.80 | HC/3 | 1-5 |
| PE-68645 | 1:1.36CT | 0.70 | 20 | 0.70 | 0.50 | 0.40 | HC/5 | 1-5 |
| T1054 | 1:1.5CT | 1.20 | 30 | 0.60 | 0.70 | 1.00 | HC/3 | 2-6 |
| T1249 | 1:1.26CT | 1.20 | 60 | 0.80 | 0.90 | 1.00 | HC/4 | 2-6 |
| EXTENDED TEMPERATURE RANGE SINGLE TRANSFORMERS 1 – OPERATING TEMPERATURE -40°C TO +85°C | | | | | | | | |
| PE-65340 | 1:1.36 | 1.20 | 35 | 0.80 | 0.90 | 1.20 | HC/1 | 5-6 |
| PE-65770 | 1:1.15CT | 1.50 | 40 | 0.80 | 0.90 | 1.00 | HC/3 | 2-6 |
| PE-65771 | 1CT:2CT | 1.20 | 50 | 0.60 | 1.00 | 2.00 | HC/4 | 2-6 |
| PE-65778 | 1CT:1CT | 1.20 | 40 | 1.00 | 1.00 | 1.00 | HC/4 | 1-5 |
| PE-68600 | 1CT:3CT | 1.20 | 60 | 0.80 | 0.90 | 2.70 | HC/4 | 1-5 |
| PE-68664 ^E | 1:1/1.26 | 1.50 | 50 | 0.80 | 0.90 | 1.10 | HC/3 | 2-6 |
| TX1252 | 1CT:1 | 1.20 | 40 | 1.00 | 1.00 | 1.00 | HC/3 | 1-5 |

NOTE: RoHS-6 compliant parts can be ordered by adding an "NL" suffix to the part number (i.e. PE-64931 becomes PE-64931NL).

(See Pages 6 and 7 for Table Notes)

Mechanical

Schematics



Mouser Electronics

Authorized Distributor

Click to View Pricing, Inventory, Delivery & Lifecycle Information:

Pulse:

[PE-64934](#) [PE-64943](#) [PE-64941](#) [PE-64933](#) [PE-64937](#) [PE-64942](#) [PE-64931](#) [PE-64940](#) [PE-68644](#) [PE-64931MT](#)
[PE-65389](#) [PE-65363](#) [PE-65388](#) [PE-65340](#) [PE-65771](#) [PE-65379](#) [PE-64933NL](#) [PE-64940NL](#) [PE-64941NL](#) [PE-64942NL](#) [PE-65340NL](#) [PE-65379NL](#)