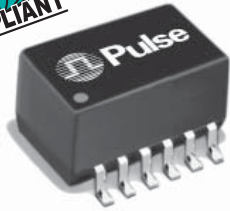


T1/CEPT/ISDN-PRI TRANSFORMERS

Dual Surface Mount, 1500 Vrms, Extended & Standard Temperature Range



- RoHS-6 peak reflow temperature rating: 245°C
- Dual SMT package contains transmit and receive transformers
- Models matched to leading transceiver ICs
- Isolation voltage: 1500 Vrms
- UL recognized

Electrical Specifications @ 25°C

RoHS-6 Compliant Part Number	Turns Ratio ^B (Pri:Sec ± 2%)	OCL @ 25°C (mH MIN)	LL (µH MAX)	Cw/w (pF MAX)	DCR Pri (Ω MAX)	DCR Sec (Ω MAX)	Package/Schematic	Primary Pins
EXTENDED TEMPERATURE RANGE MODELS¹ – OPERATING TEMPERATURE -40°C TO +85°C								
PE-68841NL	1CT:2CT & 1CT:2CT	1.20 & 1.20	0.80 & 0.80	50 & 50	1.00 & 1.00	1.70 & 1.70	AN/2	12-10, 4-6
PE-68822NL	1CT:2CT & 1:1.36CT	1.60 & 1.60	1.00 & 0.80	60 & 55	1.70 & 1.70	2.00 & 1.70	AN/1	12-10, 4-6
PE-68826NL ^E	1:1/1.26 & 1:2CT	1.20 & 1.20	0.80 & 0.80	50 & 60	1.00 & 1.00	1.10 & 1.70	AN/4	12-10, 4-6
PE-68827NL	1:1CT & 2:1	1.60 & 1.60	1.30 & 1.30	55 & 40	1.10 & 1.10	1.10 & 0.70	AN/5	1-3, 4-6
PE-68828NL	1CT:1CT & 1CT:1CT	1.20 & 1.20	0.80 & 0.80	50 & 50	1.00 & 1.00	1.00 & 1.00	AN/2	1-3, 4-6
PE-68874NL	1CT:1.15CT & 1CT:1.15CT	1.20 & 1.20	0.80 & 0.80	50 & 50	1.20 & 1.20	1.40 & 1.40	AN/2	1-3, 4-6
PE-68877NL	1CT:1CT & 1CT:2CT	1.20 & 1.20	0.80 & 0.80	50 & 50	1.00 & 1.00	1.00 & 1.80	AN/2	1-3, 4-6
PE-68884NL	1CT:1.36CT & 1CT:1.36CT	1.20 & 1.20	0.80 & 0.80	50 & 50	1.20 & 1.20	1.40 & 1.40	AN/2	1-3, 4-6
STANDARD TEMPERATURE RANGE MODELS – OPERATING TEMPERATURE 0°C TO +70°C								
PE-68861NL	1CT:2CT & 1CT:2CT	1.20 & 1.20	0.60 & 0.60	35 & 35	0.70 & 0.70	1.20 & 1.20	AN/2	12-10, 4-6
PE-68864NL ^A	1CT:2CT & 1:1	1.20 & 1.20	0.30-0.55 & 0.80	30 & 30	0.70 & 0.70	1.20 & 0.70	AN/3	1-3, 5-6
PE-68866NL ^E	1:1/1.26 & 1:2CT	1.50 & 1.20	0.40 & 0.50	40 & 40	0.70 & 0.70	0.90 & 1.20	AN/4	12-10, 4-6
PE-68836NL ^E	1:1/1.26 & 1:1/1.26	1.50 & 1.50	0.40 & 0.40	45 & 45	0.80 & 0.80	1.00 & 1.00	AN/6	12-10, 9-7

NOTE: To order Tape & Reel packaging add a "T" suffix to the part number (i.e. PE-68861NL becomes PE-68861NLT).

See Pages 6 and 7 for Table Notes.

Mechanical

Schematics

AN

Dimensions: Inches / mm
Unless otherwise specified, all tolerances are ± .010 / 0.25

Weight: .40 grams
Tape & Reel: 250/reel
Tube: 30/tube

SUGGESTED PAD LAYOUT

Downloaded from Elcodis.com electronic components distributor

T1/CEPT/ISDN-PRI TRANSFORMERS

Dual Surface Mount, 1500Vrms, Small Package



- RoHS-6 peak reflow temperature rating: 245°C
- Dual SMT package contains transmit and receive transformers
- Models matched to leading transceiver ICs
- UL recognized (some parts pending approval)

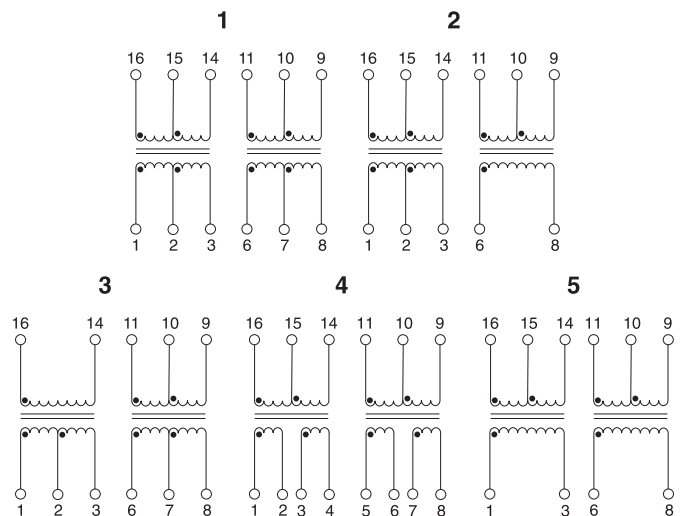
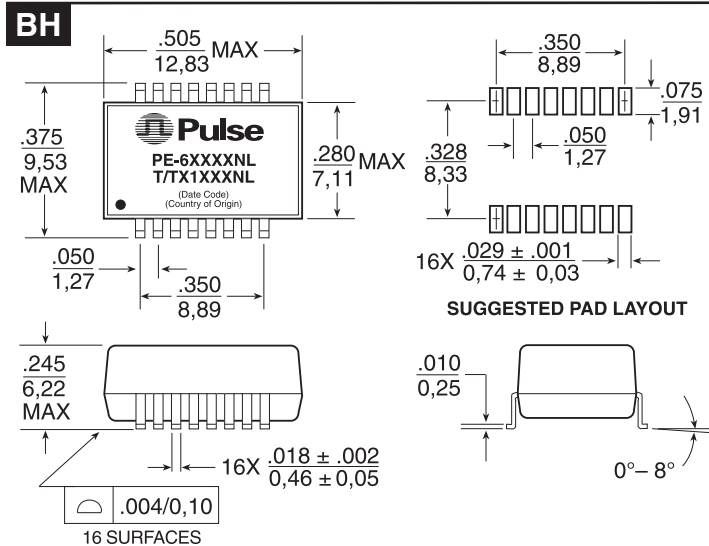
Electrical Specifications @ 25°C

RoHS-6 Compliant Part Number		Turns Ratio ^B (Pri:Sec ±5%)	OCL (mH MIN)	C _{w/w} (pF MAX)	L _L (μH MAX)	DCR Pri (Ω MAX)	Package/ Schematic	Primary Pins
STD TEMP	EXT TEMP							
PE-65861NL	T1090NL	1CT:2CT & 1CT:2CT	1.20 & 1.20	30 & 30	.60 & .60	0.70 & 0.70	BH/1	16-14, 6-8
—	T1091NL	1CT:2CT & 1:1.36CT	1.20 & 1.20	30 & 30	.60 & .60	0.70 & 0.70	BH/2	16-14, 6-8
—	T1076NL	1:1.15CT & 1CT:2CT	1.20 & 1.20	30 & 30	.60 & .60	0.70 & 0.70	BH/3	16-14, 6-8
PE-65870NL	—	1CT:1.15CT & 1CT:1.15CT	1.20 & 1.20	30 & 30	.60 & .60	0.70 & 0.70	BH/1	1-3, 6-8
PE-68678NL	T1094NL	1CT:1CT & 1CT:2CT	1.20 & 1.20	30 & 30	.60 & .60	0.70 & 0.70	BH/1	16-14, 6-8
PE-68786NL	—	1CT:1.41CT & 1CT:1.41CT	1.00 & 1.00	30 & 30	.60 & .60	0.70 & 0.70	BH/1	16-14, 11-9
T1023NL	—	1CT:1.41CT & 1CT:1.41CT	1.00 & 1.00	30 & 30	.60 & .60	0.70 & 0.70	BH/1	1-3, 11-9
T1021NL ¹	—	2CT:1/1.26 & 2CT:1/1.26	1.50 & 1.50	40 & 40	.50 & .50	0.70 & 0.70	BH/1	1-3, 11-9
T1075NL ¹	—	2CS:1.57/2 & 2CS:1.57/2	1.50 & 1.50	40 & 40	.50 & .50	0.70 & 0.70	BH/4	1-2, 5-6
T1137NL	TX1287NL	1CT:2.42CT & 1CT:2.42CT	1.20 & 1.20	25 & 25	.60 & .60	0.70 & 0.70	BH/1	1-3, 6-8
—	T1146NL	1:2/2.4 & 1:0.79/1	1.00 & 1.00	35 & 35	1.00 & 1.00	0.80 & 0.80	BH/5	1-3, 6-8
—	TX1188NL	1CT:2CT & 1CT:2CT	1.20 & 1.20	30 & 30	.60 & .60	0.70 & 0.70	BH/1	1-3, 6-8
—	TX1089NL	1CT:1CT & 1CT:1CT	1.20 & 1.20	30 & 30	.80 & .80	0.70 & 0.70	BH/1	1-3, 6-8
—	TX1467NL	1CT:1:1 & 1CT:1:1	1.20 & 1.20	30 & 30	.80 & .80	1.00 & 1.00	BH/4	16-14, 11-9

NOTE: Standard (STD) operating temperature range is 0°C to 70°C. Extended (EXT) operating temperature range is -40°C to +85°C. See pages 6 and 7 for table notes.

Mechanical

Schematics



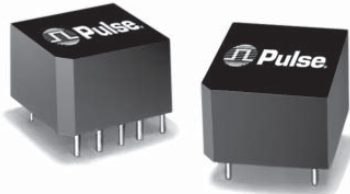
Weight 1.0 grams
Tape & Reel 600/reel
Tube 40/tube

Dimensions: $\frac{\text{Inches}}{\text{mm}}$ Unless otherwise specified, all tolerances are $\pm \frac{.010}{0.25}$

USA 858 674 8100 • Germany 49 7032 7806 0 • Singapore 65 6287 8998 • Shanghai 86 21 62787060 • China 86 755 33966678 • Taiwan 886 3 4356768

T1/CEPT/ISDN-PRI TRANSFORMERS

Single Reinforced Insulation, 3 kVrms



- RoHS-6 peak reflow temperature rating: 245°C
- Certified for reinforced insulation per UL
- For T1/CEPT line interfaces
- Matched to leading transceiver ICs
- Designed to meet ITU-T G.703

Electrical Specifications @ 25°C — Operating Temperature 0°C to 70°C (Unless Otherwise Noted)

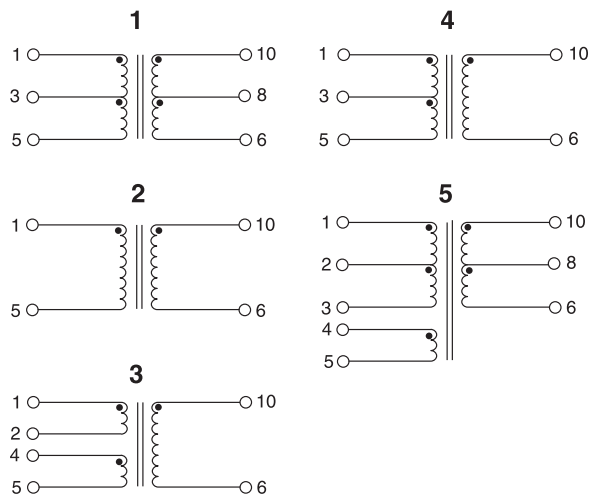
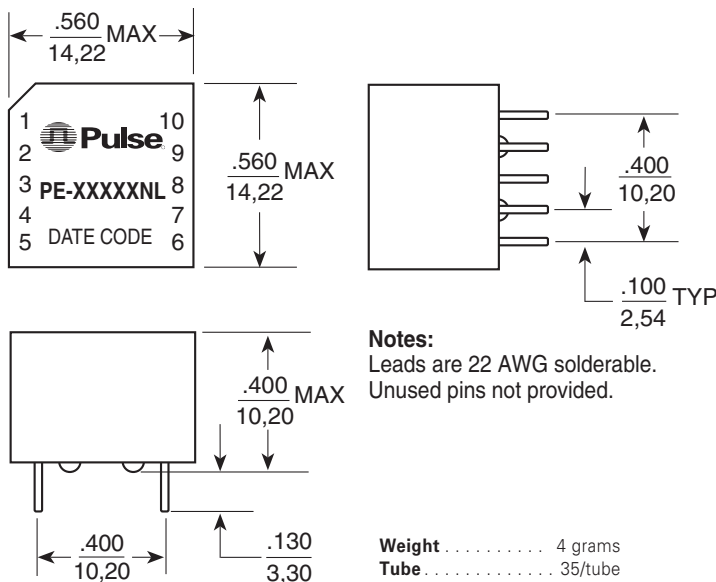
RoHS-6 Compliant Part Number	Turns Ratio ^B (Pri:Sec ±5%)	OCL ^B (mH MIN)	C _{w/w} (pF MAX)	L _L (μH MAX)	DCR Pri (Ω MAX)	DCR Sec (Ω MAX)	Safety Agency Recognition ¹⁰	Package/Schematic	Primary Pins
PE-65830NL	1.27CS:1	.800	15	0.70	0.50	0.35	C,T,U,B	IS/3	1-5
PE-65831NL	1CS:1	.800	15	0.70	0.50	0.45	C,T,U,B	IS/3	1-5
PE-65832NL	1:1.36CT	1.20	35	0.60	0.70	0.90	C,T,U,B	IS/4	10-6
PE-65833NL ^A	1CT:2CT	1.20	20	0.30-0.55	0.50	0.90	C,T,U,B	IS/1	1-5
PE-65834NL	1:1	1.20	20	0.50	0.50	0.50	C,T,U,B	IS/2	1-5
PE-65835NL	1CT:2CT	1.20	15	0.80	0.70	1.10	C,T,U,B	IS/1	1-5
PE-65836NL	1CT:3CT:1	.600	30	0.80	0.70	1.70	C,T,U,B	IS/5	1-3
PE-65837NL ^E	1:1.08/1.36	1.50	20	0.60	0.70	0.90	C,T,U,B	IS/4	10-6
PE-65838NL	1:1.14CT	1.50	30	1.00	0.70	0.90	C,T,U,B	IS/4	10-6
PE-65839NL ^E	1:1/1.26	1.50	35	0.60	0.70	1.10	C,T,U,B	IS/4	10-6
PE-68646NL ^E	1:1.58/2	1.50	20	0.70	0.70	1.20	C,T,U,B	IS/4	10-6
PE-68788NL	1CT:1.41CT	1.20	20	0.80	0.60	0.80	T,U,B	IS/1	10-6

See pages 6 and 7 for table notes.

Mechanical

Schematics

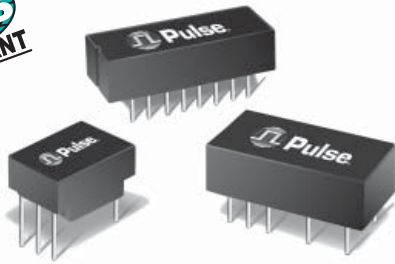
IS









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

T1/CEPT/ISDN-PRI TRANSFORMERS

Single Through Hole, 1500Vrms



-  RoHS-6 peak reflow temperature rating: 245°C
-  Extended and standard temperature range
-  Dual and single through hole models available
-  Models matched to leading IC transceivers
-  UL recognized
-  Isolation Voltage: 1500 Vrms MIN

Electrical Specifications @ 25°C

RoHS-6 Compliant Part Number	Turns Ratio ^B (Pri:Sec ±5%)	OCL @ 25°C (mH MIN)	Cw/w (pF MAX)	LL (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-64933NL	1CT:3CT	1.20	30	0.50	0.70	1.60	HC/4	1-5
PE-64934NL	1:1w	1.20	25	0.50	0.70	0.70	HC/1	1-2
PE-64936NL	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-64940NL	1.26CS:1 (1:1:1.58)	0.30	30	0.60	0.80	0.60	HC/2	1-4
PE-64941NL ^D	1CS:1	0.80	30	0.60	0.80	0.60	HC/2	1-4
PE-64942NL	1CS:1.31	0.80	30	0.40	0.80	0.60	HC/2	1-4
PE-64943NL ^A	1CT:2CT	1.20	30	0.30-0.55	0.70	1.20	HC/4	1-5
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	0.50	1.50	HC/5	1-5
PE-65379NL	1:1.14CT	1.20	35	0.80	0.70	0.80	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-65558NL	1:2.3CT	1.20	35	0.80	0.70	1.40	HC/5	1-5
PE-65586NL	1:1.36CT	1.20	35	0.80	0.70	0.90	HC/5	1-5
PE-65755NL	1CT:1CT	1.20	25	0.80	0.80	0.80	HC/4	1-5
PE-68644NL	1CT:1	0.70	20	0.70	0.20	0.80	HC/3	1-5
PE-68645NL	1:1.36CT	0.70	20	0.70	0.50	0.40	HC/5	1-5
T1054NL	1:1.5CT	1.20	30	0.60	0.70	1.00	HC/3	2-6
EXTENDED TEMPERATURE RANGE SINGLE TRANSFORMERS ¹ – OPERATING TEMPERATURE -40°C TO +85°C								
PE-65340NL	1:1.36	1.20	35	0.80	0.90	1.20	HC/1	5-6
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
PE-68600NL	1CT:3CT	1.20	60	0.80	0.90	2.70	HC/4	1-5
PE-68664NL ^E	1:1/1.26	1.50	50	0.80	0.90	1.10	HC/3	2-6
TX1252NL	1CT:1	1.20	40	1.00	1.00	1.00	HC/3	1-5

See pages 6 and 7 for table notes.

Mechanical

Schematics

HC

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

Weight 2 grams
Tube 60/tube

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

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T1/CEPT/ISDN-PRI TRANSFORMERS

Dual Through Hole, 1500 Vrms

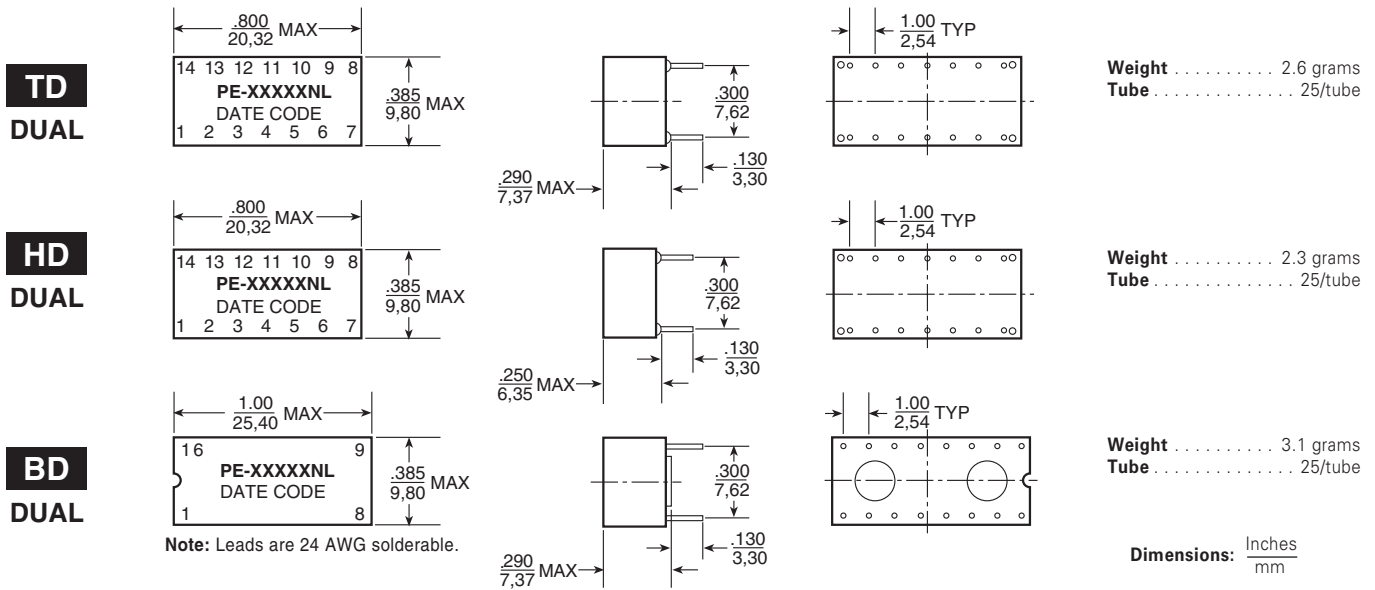


Electrical Specifications @ 25°C

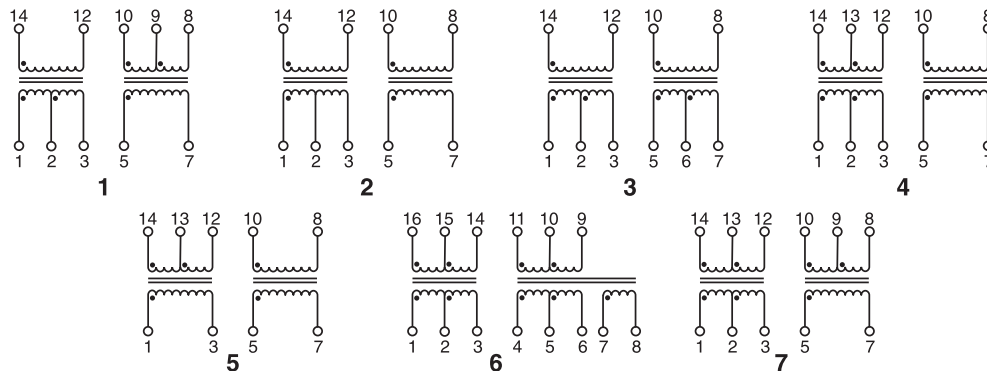
RoHS-6 Compliant Part Number	Turns Ratio ^B (Pri:Sec ±5%)	OCL @ 25°C (mH MIN)	C _{w/w} (pF MAX)	L _L (μH MAX)	DCR Pri (Ω MAX)	DCR Sec (Ω MAX)	Package/ Schematic	Primary Pins
STANDARD TEMPERATURE RANGE DUAL TRANSFORMERS – OPERATING TEMPERATURE 0°C to +70°C								
PE-64951NL	1:2CT & 1:2CT	1.20 & 1.20	35 & 35	0.50 & 0.50	0.70 & 0.70	1.20 & 1.20	HD/1	14-12, 5-7
PE-64921NL	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-64953NL	1:2CT & 1:2CT	2.00 & 2.00	50 & 50	0.60 & 0.60	1.00 & 1.00	2.00 & 2.00	HD/3	14-12, 10-8
PE-64954NL ^A	1CT:2CT & 1:1	1.20 & 1.20	30 & 30	0.30-0.55 & 0.50	0.70 & 0.70	1.20 & 0.70	HD/4	1-3, 5-7
PE-64955NL	1:1.26CT & 1.58:1	0.80 & 0.80	30 & 30	0.50 & 0.50	0.60 & 0.60	0.70 & 0.30	HD/5	1-3, 5-7
PE-64956NL	1:1CT & 2:1	0.80 & 0.80	30 & 30	0.60 & 0.60	0.50 & 0.50	0.50 & 0.20	HD/5	1-3, 5-7
PE-64957NL	1CT:1.31 & 2.62:1	1.20 & 1.20	30 & 30	0.80 & 0.80	0.60 & 0.60	0.50 & 0.30	HD/5	1-3, 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
PE-65566NL ^E	1:1/1.26 & 1:2CT	1.50 & 1.20	40 & 40	0.50 & 0.40	0.70 & 0.70	0.90 & 1.30	TD/1	14-12, 5-7
EXTENDED TEMPERATURE RANGE DUAL TRANSFORMERS 1 – OPERATING TEMPERATURE -40°C to +85°C								
PE-65567NL	1:1.15CT & 1:2CT	1.50 & 1.20	40 & 60	0.80 & 0.80	0.90 & 0.90	1.00 & 1.70	TD/1	14-12, 5-7
PE-65568NL ^E	1:1/1.26 & 1:2CT	1.50 & 1.20	50 & 60	0.80 & 0.80	0.90 & 0.90	1.00 & 1.70	TD/1	14-12, 5-7
PE-65774NL	1CT:2CT & 1:1.36CT	1.20 & 1.20	50 & 50	0.96 & 0.80	1.00 & 1.00	1.70 & 1.20	TD/7	14-12, 5-7
PE-68618NL ^G	1CT:1CT & 3CT:1CT:25	1.20 & 32.0	40 & 65	0.80 & 0.80	1.00 & 3.00	1.00 & 1.20	BD/6	1-3, 11-9
PE-64950NL ^G	1CT:1CT & 1CT:3CT:1	1.20 & 0.60	50 & 50	0.80 & 0.80	1.00 & 0.80	1.00 & 2.00	BD/6	1-3, 4-6

(See Pages 6 and 7 for Table Notes)

Mechanicals

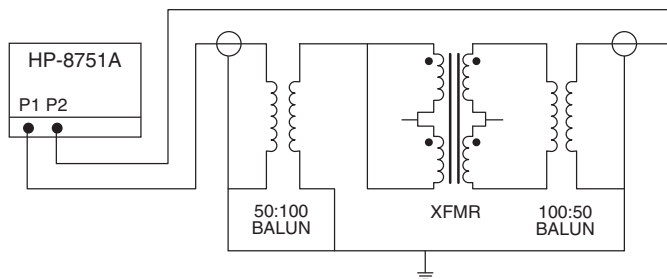


Schematics

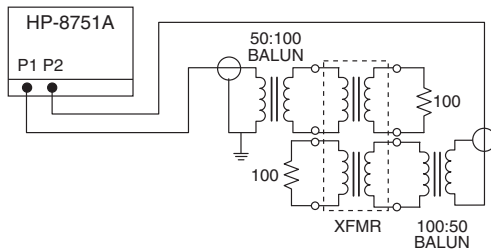


Application Notes

- 1. Extended Temperature Range Models** — For extended temperature range transformers (-40°C to +85°C operating temperature range), OCL (Open Circuit Inductance for the primary winding) is specified at both -40°C and +25°C. At -40°C, OCL is 600 µH minimum for all low temperature models with the exception of PE-68827NL which is 800 µH minimum and PE-65836NL which is 300 µH minimum. All other parameters are specified at +25°C only. Standard temperature range is 0°C to +70°C.
- 2. ET Product** — All coils have an ET product of 10 V-µsec minimum.
- 3. Flammability** — Materials used in the products are recognized as UL94-VO approved. Products meet the requirements of IEC 695-2-2 (Needle Flame Test).
- 4. Balance Characteristics** — The transformers meet the requirements for longitudinal balance of FCC part 68.
- 5. Common Mode Rejection Ratio** — The CMRR for all transformers is better than 50 dB at 1 MHz. A typical test circuit is shown below.



- 6. Crosstalk Attenuation** — In the dual packages, which contain transmit and receive transformers side by side, sufficient crosstalk attenuation is achieved by the inherent characteristics of the toroid cores as well as by their proper positioning. The crosstalk attenuation is typically 50 dB or better from 100 kHz to 10 MHz. This result was established with the test circuit shown below.



- 7. Return Loss** — ITU-T G.703 and European national regulatory documents specify minimum return loss levels. The transformers will allow these limits to be complied within the situations where they are applicable.

Frequency	50-100 kHz	100 kHz-2 MHz	2-3 MHz
Return Loss			
TX	9 dB	15 dB	11 dB
RX	12 dB	18 dB	14 dB

- 8. Surge Voltage Capability** — All transformers and chokes meet surge voltage tests according to the most stringent regulatory documents when system designs include the proper voltage and current suppression devices:

Metallic Voltage:	800 V peak, 10/560 µsec
Longitudinal Voltage:	2,400 V peak, 10/700 µsec

- 9. Isolation Voltage** — 100% of transformers are tested during production to the specified isolation voltage level.

- 10. Safety Agency Recognition** — Parts listed as “Recognized” or “Certified” meet Underwriter Laboratories, UL 1459 and UL 1950 per file E133523 (S).

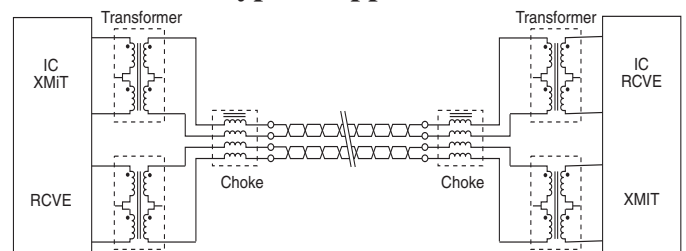
Transformers with Reinforced Insulation according to IEC950 series PE-68630NL—PE-68788NL (pg. 3) are certified by the following organizations:

Code	Certificate Information
T	TÜV, EN 60 950/EN 41003, Cert. R9371358, reinforced insulation.
U	UL 1459/UL1950, File E133523 (S), reinforced insulation.

- 11. General Information** — The transformers are specifically designed for use in 1.544 Mbps (T1), 2.048 Mbps (CEPT) and ISDN Primary rate (PRI) interface applications. They are matched to the majority of the line interface transceiver ICs currently available. Use of the proper transformer allows the interface circuit to comply with ITU-T G.703 and other standards regarding pulse waveform, return loss, and balance.

- 12. Common Mode Chokes** — The “high-frequency” 4-lines common mode chokes shown in this data sheet provide an effective means of compliance with national and international regulations on EMI. They are designed to be used in conjunction with Pulse’s T1/CEPT transformers as shown in the typical application below. Crosstalk is typically -70 dB at 1 MHz and -55 dB at 10 MHz.

Typical Application



NOTES FROM TABLES (pages 1 - 6):

- Toleranced leakage inductance: .30 µH min to .55 µH MAX.
- OCL (primary inductance) and LL (leakage inductance) are measured at the primary winding. Turns ratio is specified primary: secondary. (CT = Center Tap; CS = Split Center Tap).
- To make a 1CT:1 ratio from a 1CT:2CT ratio, use only one half of the secondary (2CT) winding.
- For Reinforced 3 kVrms Dual SMT Transformers, refer to data sheet T617. For Quad SMT Transformers, refer to data sheet T615. For Octal SMT Transformers, refer to data sheet T622.
- Dual Ratio Transformers: These transformers have tapped secondary windings to provide two turns ratios (T/R). Use the entire primary winding and connect the secondary pins listed below to obtain the desired turns ratio:

Part Number	Turns Ratio 1	Secondary Pins	Turns Ratio 2	Secondary Pins
PE-65837NL	1:1.08	3-5	1:1.36	1 - 5
PE-65839NL	1:1	3-5	1:1.26	1 - 5
PE-68646NL	1:1.58	3-5	1:2	1 - 5
PE-65389NL	1:1	3-5	1:1.26	1 - 5
PE-65566NL	1:1	2-3	1:1.26	1 - 3
PE-65568NL	1:1	2-3	1:1.26	1 - 3
PE-68866NL	1:1	2-3	1:1.26	1 - 3
PE-68826NL	1:1	2-3	1:1.26	1 - 3
PE-68664NL	1:1	3-5	1:1.26	1 - 5
PE-68836NL	1:1	2-3/5-6	1:1.26	1¾ - 6

- Standard packaging for surface mount “AN” and “LA” packages is anti-static tubes. Optional Tape & Reel packaging can be ordered by adding “T” suffix to the part number, (i.e. PE-65866NLT).

- PE-68618NL and PE-64950NL: The fault locate winding is (7-8).

- Safety Agency approvals pending.

- The turns ratio of these devices have been designed, in conjunction with semiconductor vendor recommendations, to allow connections to various terminations (e.g. 75 Ω or 120 Ω with the same transformer). For example T1075NL can be used with the Siemens PEB 2235 to achieve connection to the 75 Ω or 120 Ω cable. For 75 Ω termination, the PEB 2235 requires the following turns ratio: 1:1.57 (TX) and 1:1.26 (RX) which can be achieved using pins (1-2):(15-16) for TX and (10-11):(5-8) for RX. For 120 Ω, the following turns ratio are required: 1:2 (TX) and 1:1 (RX), which are pins (1-2):(16-14) for TX and (9-11):(5-8) for RX on the T1075NL.

COMMON MODE CHOKES FOR TELECOM APPLICATIONS

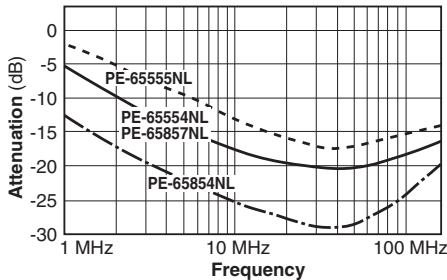
For EMI Reduction



Electrical Specifications @ 25°C — Operating Temperature 0°C to 70°C

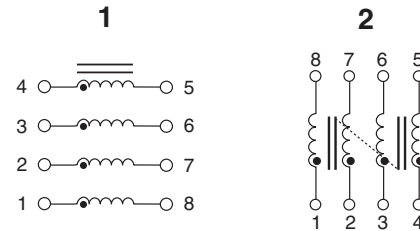
Pulse Part Number	Turns Ratio (±5%)	OCL (μH MIN)	Package/Schematic
HIGH FREQUENCY COMMON MODE CHOKES, 4-LINES			
PE-65554NL	1:1:1:1	24.0	IN/1 (Through Hole)
PE-65555NL	1:1:1:1	8.0	IN/1 (Through Hole)
PE-65854NL	1:1:1:1	47.0	SH/1 (Surface Mount)
PE-65857NL	1:1:1:1	24.0	LA/2 (Surface Mount)

NOTE: For additional Common Mode Chokes, refer to data sheet G002.

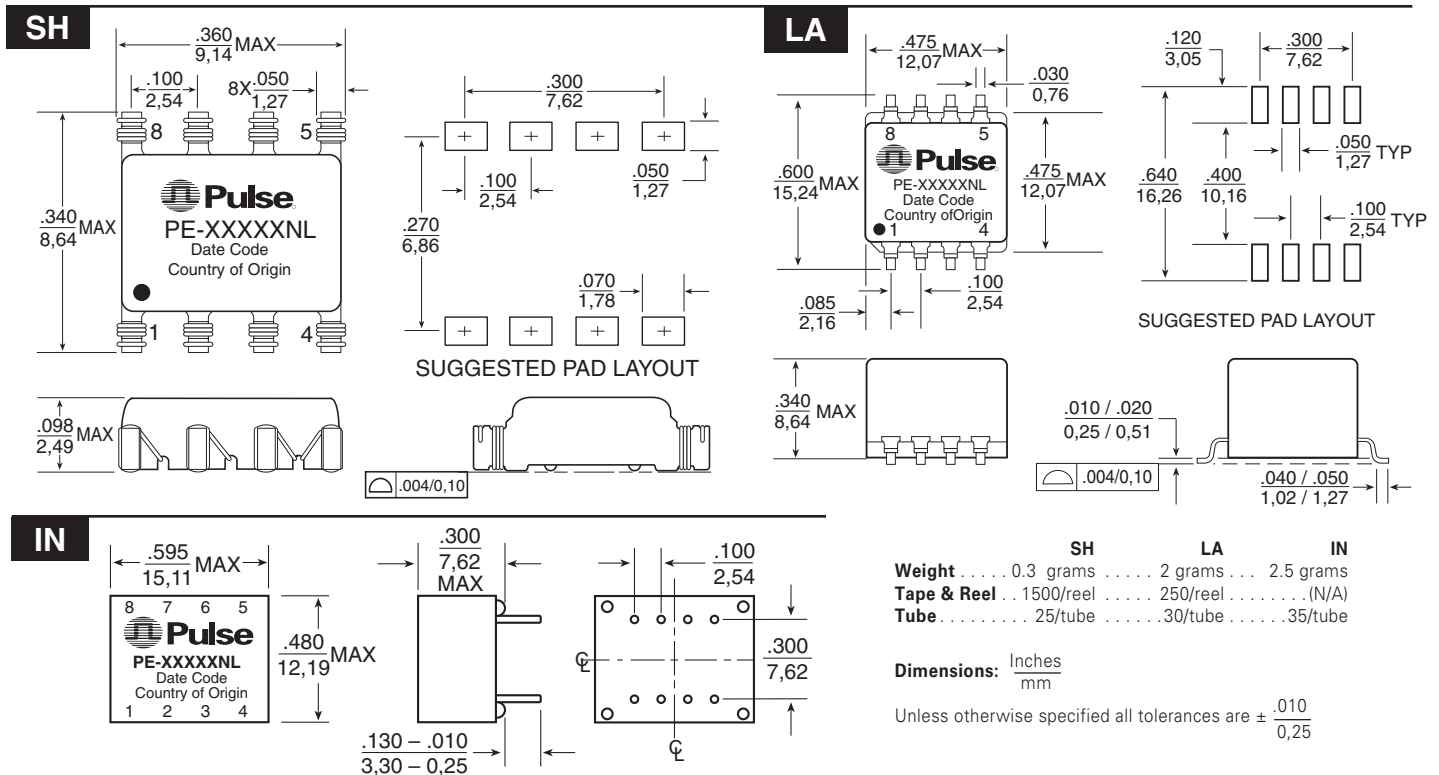


Typical common mode attenuation for high-frequency common mode chokes based on a 100 Ω system.

Schematics



Mechanicals



	SH	LA	IN
Weight	0.3 grams	2 grams	2.5 grams
Tape & Reel	1500/reel	250/reel	(N/A)
Tube	25/tube	30/tube	35/tube
Dimensions:	Inches mm		
Unless otherwise specified all tolerances are ± $\frac{.010}{0.25}$			

For More Information:

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