

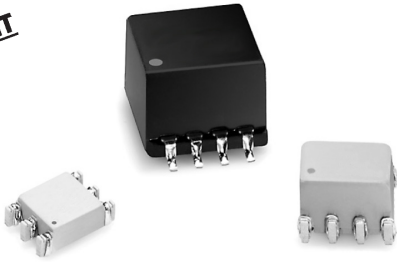


**THE DATASHEET OF
PE-65854NLT**



Surface Mount Common Mode Chokes

Suited for LAN and Telecom Applications



- Reduces radiated EMI emissions
- Filters common mode noise for EMI reduction
- Common mode attenuation from 100 kHz to 1 GHz
- RoHS peak reflow solder temperature rating 245°C

Electrical Specifications @ 25°C

Part Number	No. of Ports	Primary Inductance OCL (μH MIN)	Common Mode Attenuation (dB TYP)									DCR (Ω MAX)
			100 KHz	1 MHz	10 MHz	30 MHz	50 MHz	100 MHz	300 MHz	500 MHz	1 GHz	
PE-68624NL ^{2a}	1	47	11	27	40	44	42	36	26	17	-	0.40
PE-65855NL ^{2a}	1	4700	41	43	49	39	34	26	20	20	12	1.0
PE-65857NL ^{2a}	4	22.5	7	20	30	37	38	34	24	13	-	0.22
PE-68627NL ^{2a}	4	24	8	21	32	36	37	36	30	20	-	0.25
PE-65854NL ^{2a}	4	47	3	19	32	36	35	29	12	6	-	0.40
PE-67540NL ^{2a}	4	100	14	33	44	48	49	44	34	29	20	0.60
T8008NL ^{2a}	8	47	7	27	40	44	42	36	26	-	-	0.40

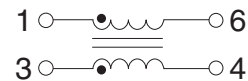
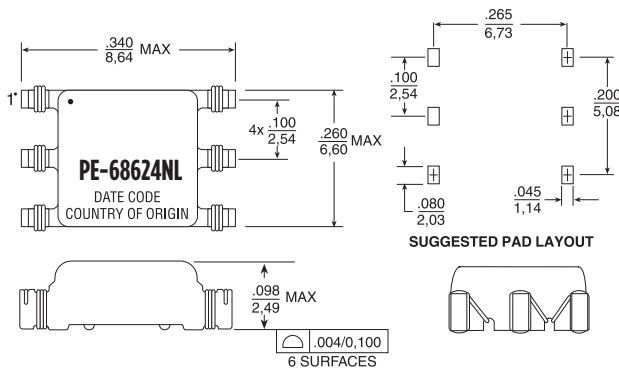
Notes:

- For Tape & Reel packaging, add suffix "T" to the end of the part number e.g. T8008NLT
- MSL = Moisture Sensitivity Level a=1 b=2 c=3 d=4

Mechanical

Schematic

PE-68624NL



Weight0.17 grams
Tape & Reel1500/reel
Tube85/tray

Dimensions: $\frac{\text{Inches}}{\text{mm}}$

Unless otherwise specified, all tolerances are $\pm \frac{.010}{0.25}$

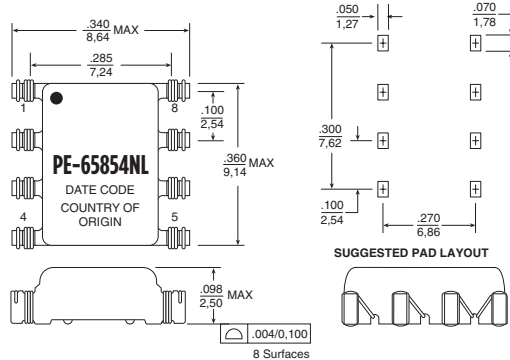
Surface Mount Common Mode Chokes

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Mechanicals

Schematics

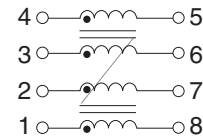
PE-65854NL



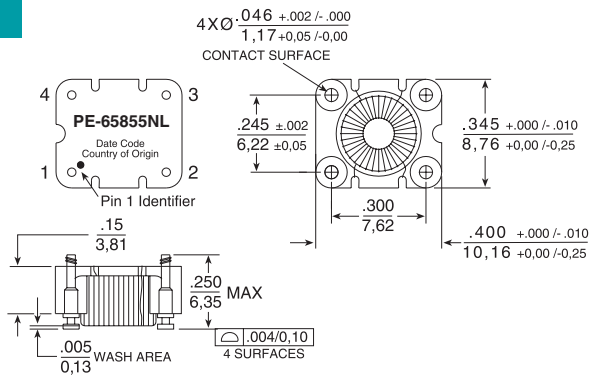
Weight0.3 grams
Tape & Reel1500/reel
Tube60/tray

Dimensions: $\frac{\text{Inches}}{\text{mm}}$

Unless otherwise specified,
all tolerances are $\pm \frac{.010}{0,25}$



PE-65855NL



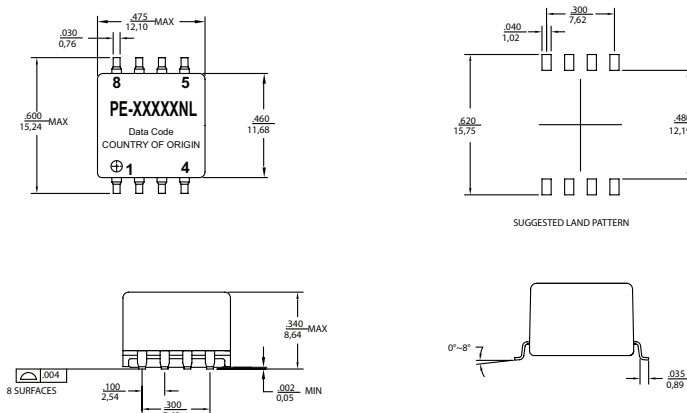
Weight0.69 grams
Tape & Reel800/reel
Tube40/tray

Dimensions: $\frac{\text{Inches}}{\text{mm}}$

Unless otherwise specified,
all tolerances are $\pm \frac{.010}{0,25}$



PE-65857NL, PE-67540NL

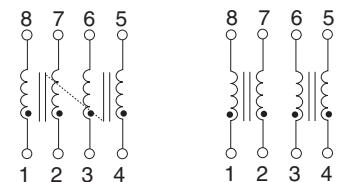


Weight2.0 grams
Tape & Reel250/reel
Tube40/tray

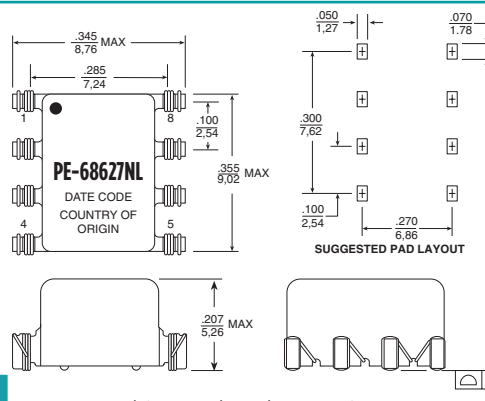
Dimensions: $\frac{\text{Inches}}{\text{mm}}$

Unless otherwise specified,
all tolerances are $\pm \frac{.010}{0,25}$

PE-65857NL PE-67540NL



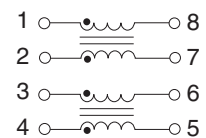
PE-68627NL



Weight0.3 grams
Tape & Reel1500/reel
Tube55/tray

Dimensions: $\frac{\text{Inches}}{\text{mm}}$

Unless otherwise specified,
all tolerances are $\pm \frac{.010}{0,25}$



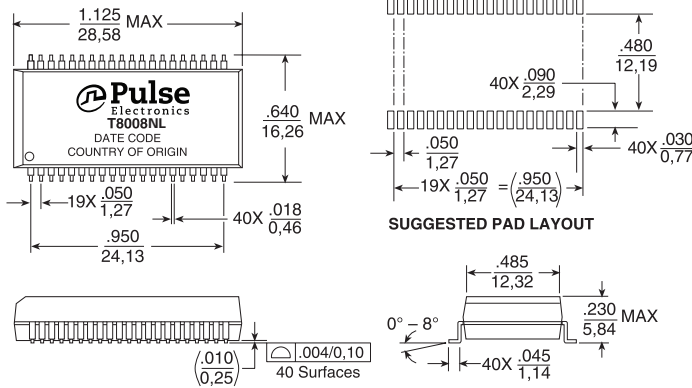
Surface Mount Common Mode Chokes

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Mechanical

Schematic

T8008NL

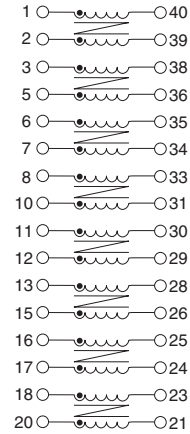


Weight4.0 grams
Tape & Reel250/reel
Tube15/tray

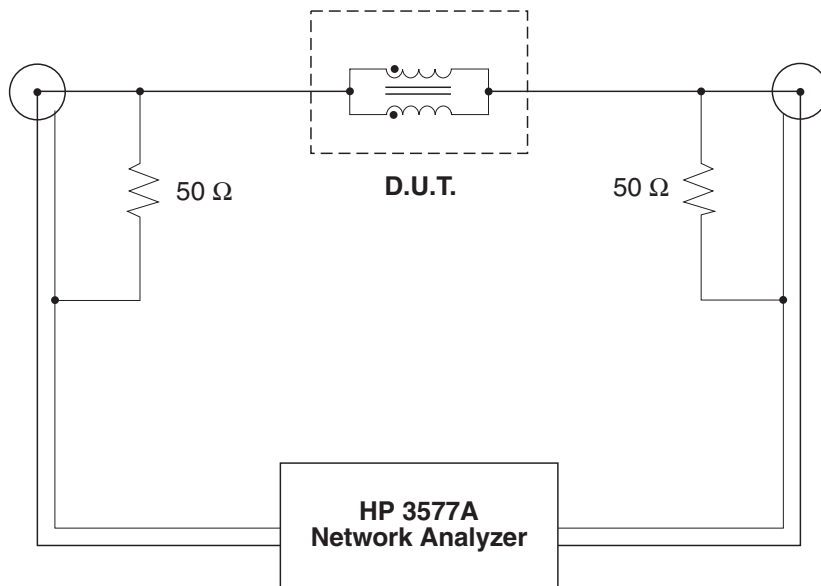
Dimensions: $\frac{\text{Inches}}{\text{mm}}$

Unless otherwise specified,
all tolerances are $\pm \frac{.010}{0,25}$

T8008NL



Common Mode Test Circuit for Surface Mount and Through Hole



Test Notes:

1. Network analyzer calibrated to compensate for 50 Ω resistors.
2. All windings on a core are connected in parallel for the test.
3. For multi-core chokes, test data is for one core only. The windings on the other core(s) are left unconnected (i.e. open).

For More Information:

Americas - prodinfo@networkamericas@pulseelectronics.com | Europe - comms-Apps-Europe@pulseelectronics.com | Asia - prodinfo@networkapac@pulseelectronics.com

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