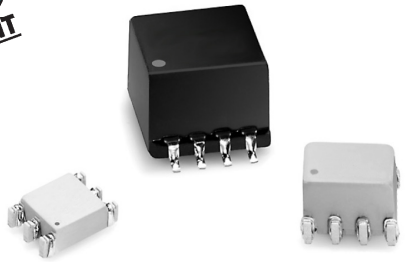
Surface Mount
Common Mode Chokes

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 @ 25ºC

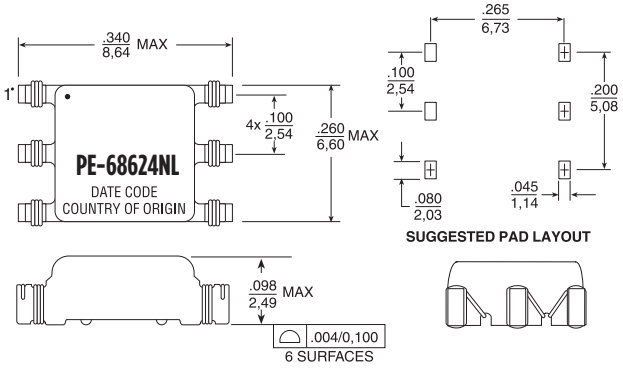
Part Number	No. of Ports	Primary Inductance OCL (µH MIN)	Common Mode Attenuation (dB TYP)									DCR (Ω MAX)
			100 KHz	1 MHz	10 MHz	30 MHz	50 MHz	100 MHz	300 MHz	500 MHz	1 GHz	
PE-68624NL[2a]	1	47	11	27	40	44	42	36	26	17	-	0.40
PE-65855NL[2a]	1	4700	41	43	49	39	34	26	20	20	12	1.0
PE-65857NL[2a]	4	22.5	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:

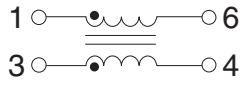
1. For Tape & Reel packaging, add suffix "**T**" to the end of the part number e.g. T8008NL**T**
2. MSL = Moisture Sensitivity Level a=1 b=2 c=3 d=4

Mechanical

PE-68624NL



Schematic



Weight .....0.17 grams
Tape & Reel 1500/reel
Tube 85/tray

Dimensions: Inches / mm

Unless otherwise specified, all tolerances are ± .010 / 0,25

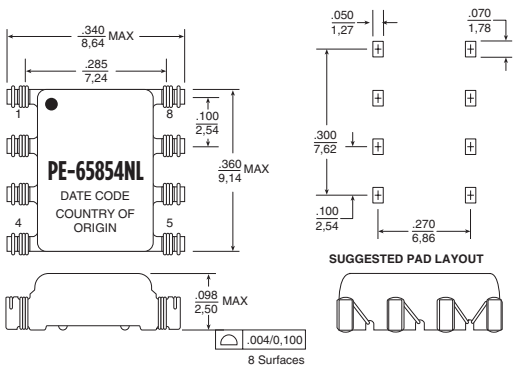
USA 858 674 8100 Germany 49 7032 7806 0 Singapore 65 6287 8998 Shanghai 86 21 62787060 China 86 755 33966678 Taiwan 886 3 4356768

Surface Mount
Common Mode Chokes

Suited for LAN and Telecom Applications

PE-65854NL

Mechanicals

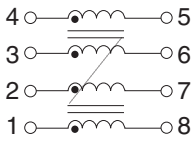


Weight .....0.3 grams
Tape & Reel 1500/reel
Tube 60/tray

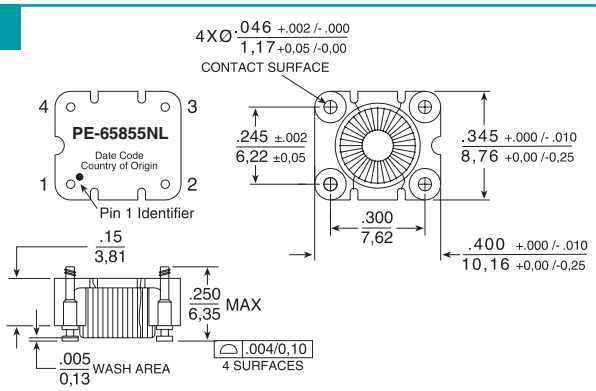
Dimensions: Inches / mm

Unless otherwise specified, all tolerances are ± .010 / 0,25

Schematics



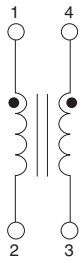
PE-65855NL



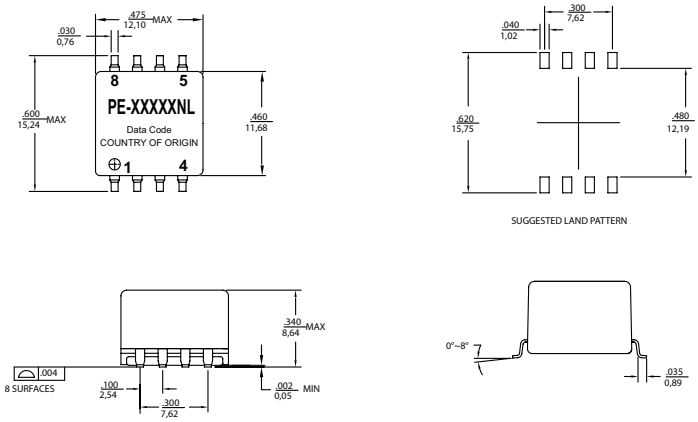
Weight .....0.69 grams
Tape & Reel 800/reel
Tube 40/tray

Dimensions: Inches / mm

Unless otherwise specified, all tolerances are ± .010 / 0,25



PE-65857NL, PE-67540NL

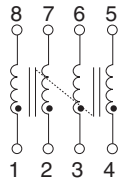


Weight .....2.0 grams
Tape & Reel 250/reel
Tube 40/tray

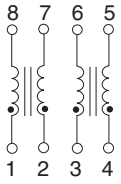
Dimensions: Inches / mm

Unless otherwise specified, all tolerances are ± .010 / 0,25

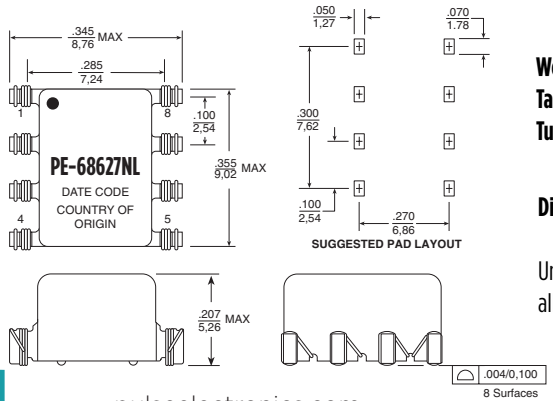
PE-65857NL



PE-67540NL



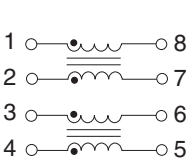
PE-68627NL



Weight .....0.3 grams
Tape & Reel 1500/reel
Tube 55/tray

Dimensions: Inches / mm

Unless otherwise specified, all tolerances are ± .010 / 0,25

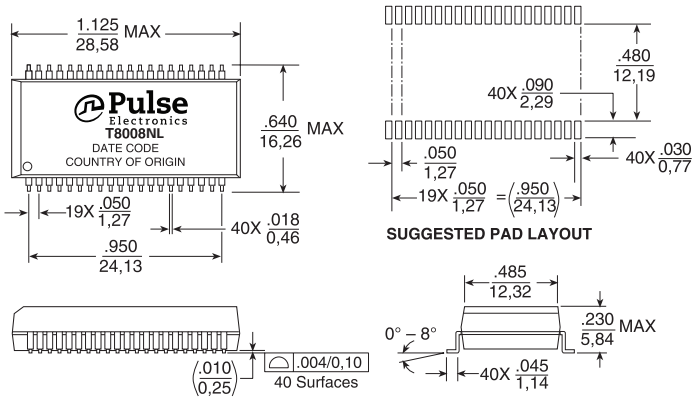


Surface Mount
Common Mode Chokes

Suited for LAN and Telecom Applications

Mechanical

T8008NL



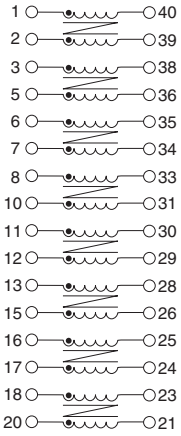
Weight .....4.0 grams
Tape & Reel 250/reel
Tube 15/tray

Dimensions: Inches / mm

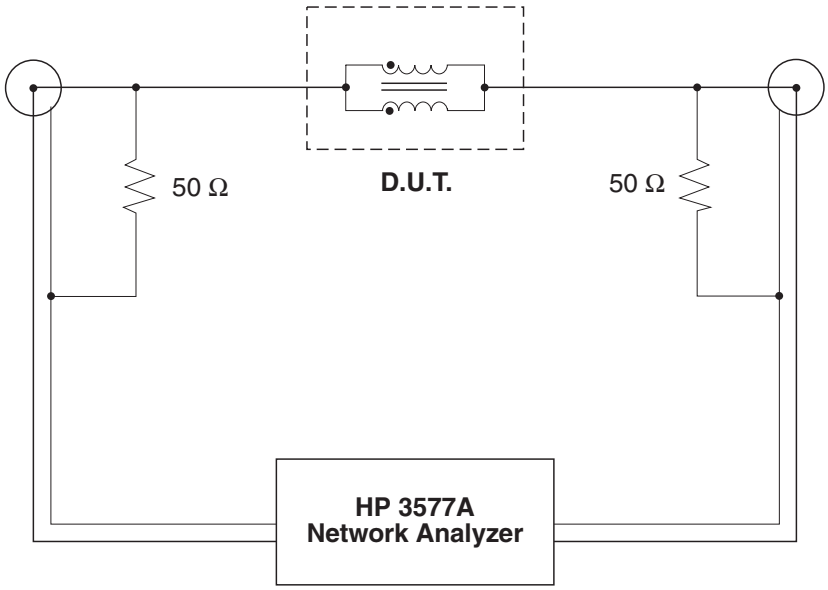
Unless otherwise specified, all tolerances are ± .010 / 0,25

Schematic

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).

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