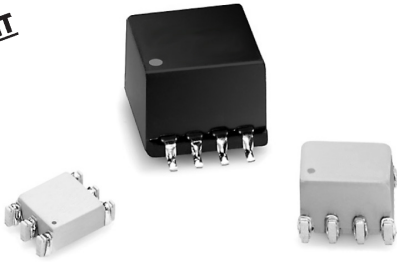


# Surface Mount Common Mode Chokes

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 <sup>2a</sup>	1	47	11	27	40	44	42	36	26	17	-	0.40
PE-65855NL <sup>2a</sup>	1	4700	41	43	49	39	34	26	20	20	12	1.0
PE-65857NL <sup>2a</sup>	4	22.5	7	20	30	37	38	34	24	13	-	0.22
PE-68627NL <sup>2a</sup>	4	24	8	21	32	36	37	36	30	20	-	0.25
PE-65854NL <sup>2a</sup>	4	47	3	19	32	36	35	29	12	6	-	0.40
PE-67540NL <sup>2a</sup>	4	100	14	33	44	48	49	44	34	29	20	0.60
T8008NL <sup>2a</sup>	8	47	7	27	40	44	42	36	26	-	-	0.40

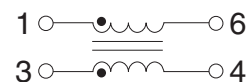
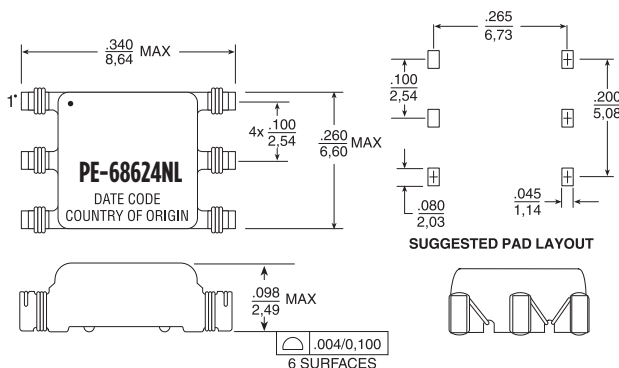
### Notes:

- 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



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

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

# Surface Mount Common Mode Chokes

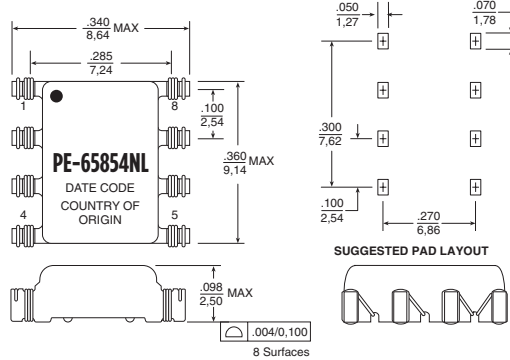
Suited for LAN and Telecom Applications



## Mechanicals

## Schematics

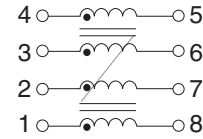
### PE-65854NL



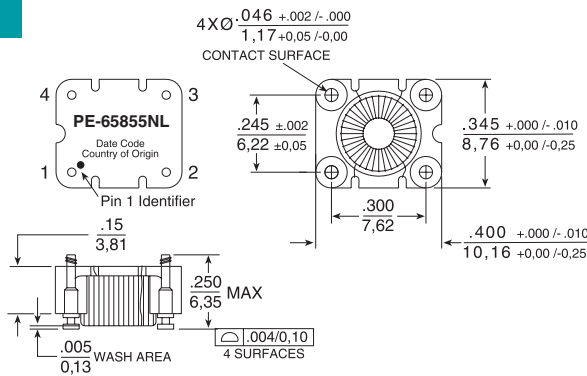
Weight .....0.3 grams  
Tape & Reel .....1500/reel  
Tube .....60/tray

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

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



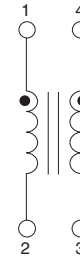
### PE-65855NL



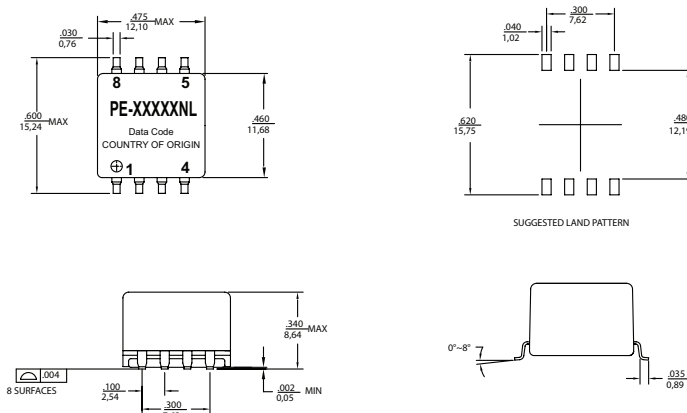
Weight .....0.69 grams  
Tape & Reel .....800/reel  
Tube .....40/tray

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

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



### PE-65857NL, PE-67540NL

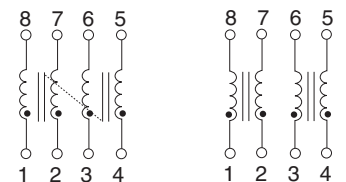


Weight .....2.0 grams  
Tape & Reel .....250/reel  
Tube .....40/tray

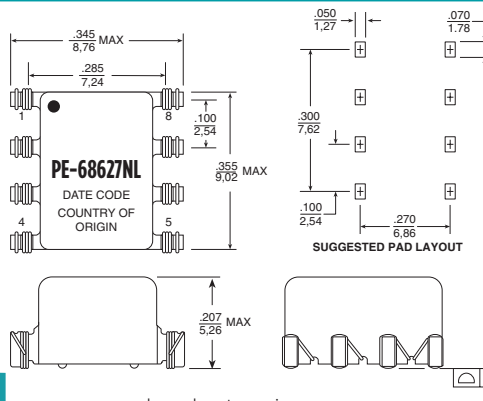
Dimensions:  $\frac{\text{Inches}}{\text{mm}}$

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

### PE-65857NL PE-67540NL



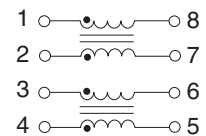
### PE-68627NL



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

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

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



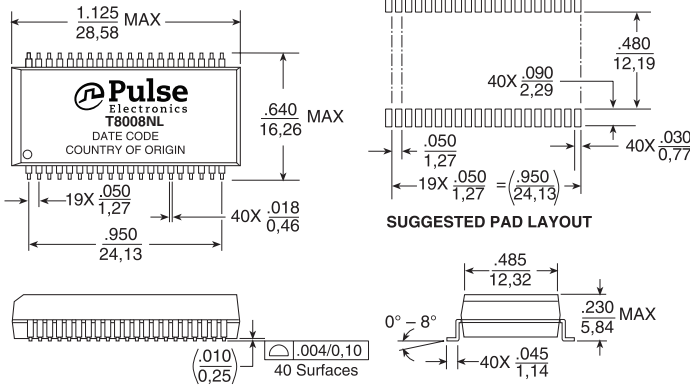
# Surface Mount Common Mode Chokes

Suited for LAN and Telecom Applications

## Mechanical

## Schematic

### T8008NL

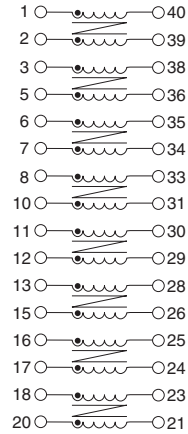


**Weight** .....4.0 grams  
**Tape & Reel** .....250/reel  
**Tube** .....15/tray

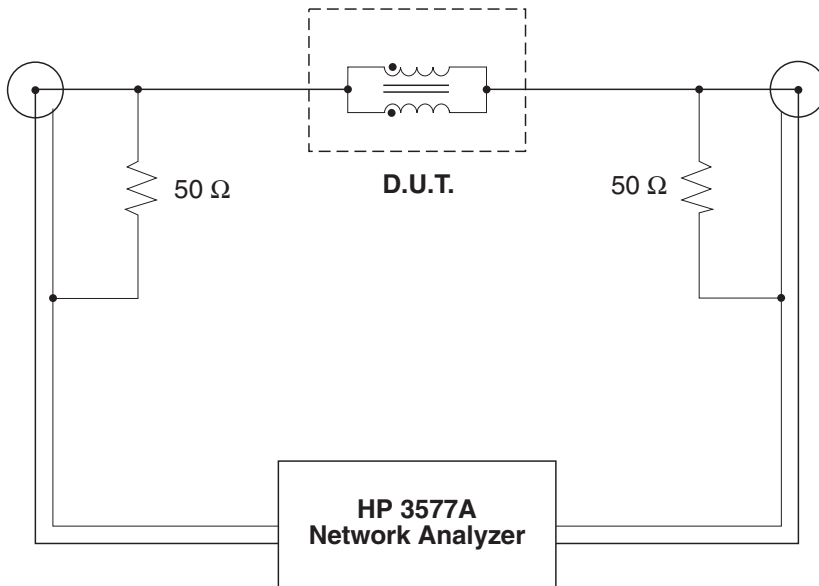
**Dimensions:** Inches  
mm

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  $\Omega$  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

**Pulse Worldwide Headquarters**  
 12220 World Trade Drive  
 San Diego, CA  
 92128  
 U.S.A.

**Pulse Europe**  
 Einsteinstrasse 1  
 D-71083 Herrenberg  
 Germany

**Pulse China Headquarters**  
 B402, Shenzhen Academy of  
 Aerospace Technology Bldg.  
 10th Kejinan Road  
 High-Tech Zone  
 Nanshan District  
 Shenzhen, PR China  
 518057  
 Tel: 86 755 33966678  
 Fax: 86 755 33966700

**Pulse North China**  
 Room 2704/2705  
 Super Ocean Finance  
 Ctr.  
 2067 Yan An Road  
 West  
 Shanghai 200336  
 China  
 Tel: 86 21 62787060  
 Fax: 86 2162786973

**Pulse South Asia**  
 135 Joo Seng Road  
 #03-02  
 PM Industrial Bldg.  
 Singapore 368363  
 Tel: 65 6287 8998  
 Fax: 65 6287 8998

**Pulse North Asia**  
 3F, No. 198  
 Zhongyuan Road  
 Zhongli City  
 Taoyuan County 320  
 Taiwan R. O. C.  
 Tel: 886 3 4356768  
 Fax: 886 3 4356823 (Pulse)  
 Fax: 886 3 4356820 (FRE)

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