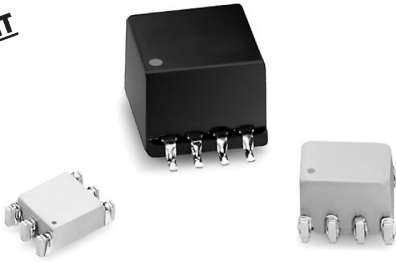


Surface Mount Common Mode Chokes

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

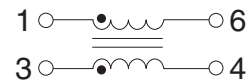
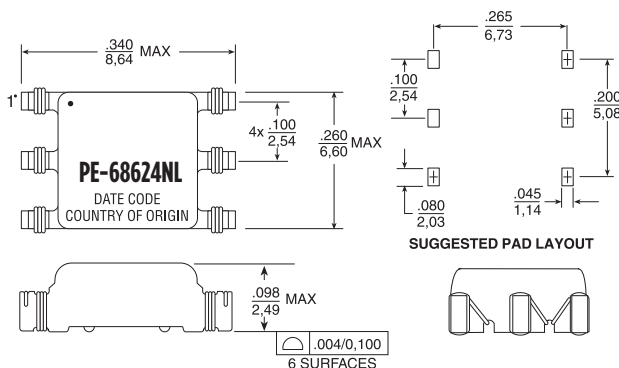
Notes:

- 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 $\pm \frac{.010}{0.25}$

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

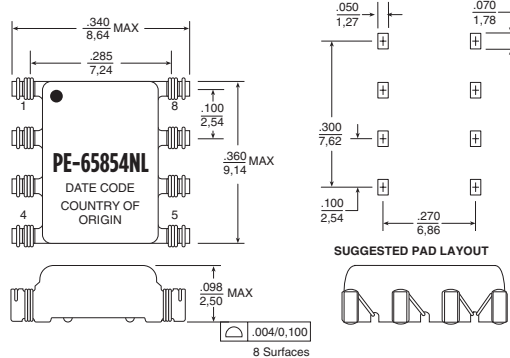
Suited for LAN and Telecom Applications



Mechanicals

Schematics

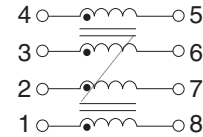
PE-65854NL



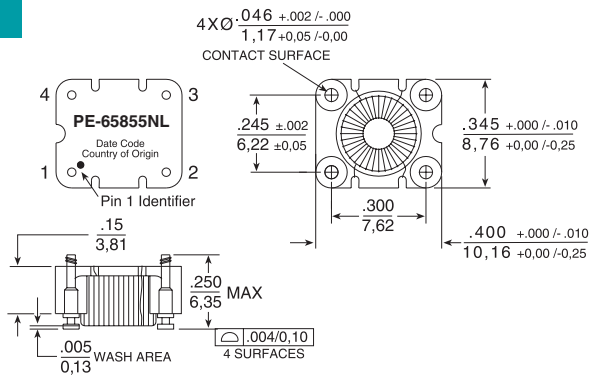
Weight0.3 grams
Tape & Reel1500/reel
Tube60/tray

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

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



PE-65855NL



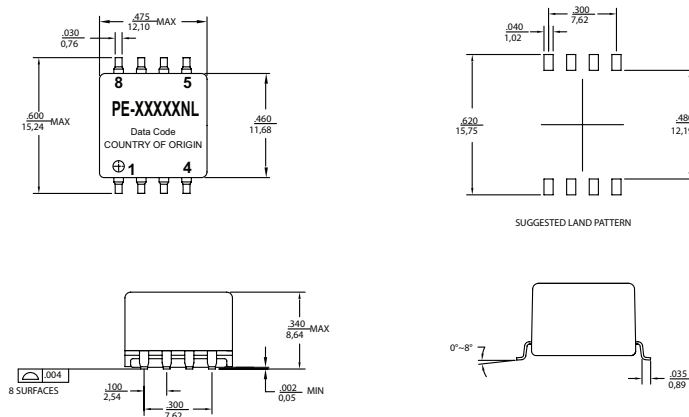
Weight0.69 grams
Tape & Reel800/reel
Tube40/tray

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

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



PE-65857NL, PE-67540NL



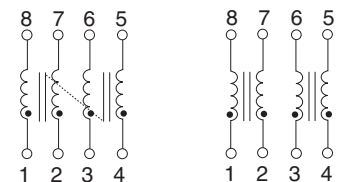
Weight2.0 grams
Tape & Reel250/reel
Tube40/tray

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

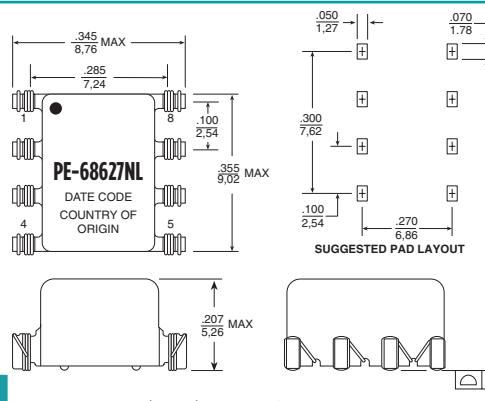
Unless otherwise specified,
all tolerances are $\pm \frac{.010}{0.25}$

PE-65857NL

PE-67540NL



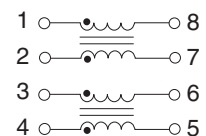
PE-68627NL



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

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

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



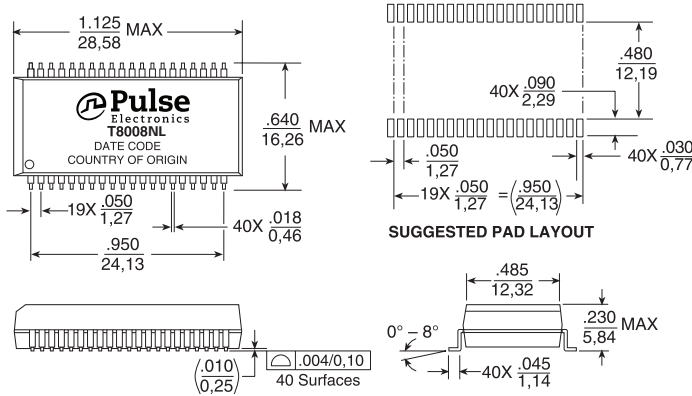
Surface Mount Common Mode Chokes

Suited for LAN and Telecom Applications

Mechanical

Schematic

T8008NL



Weight4.0 grams

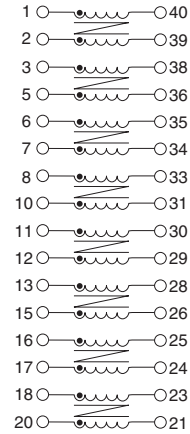
Tape & Reel250/reel

Tube15/tray

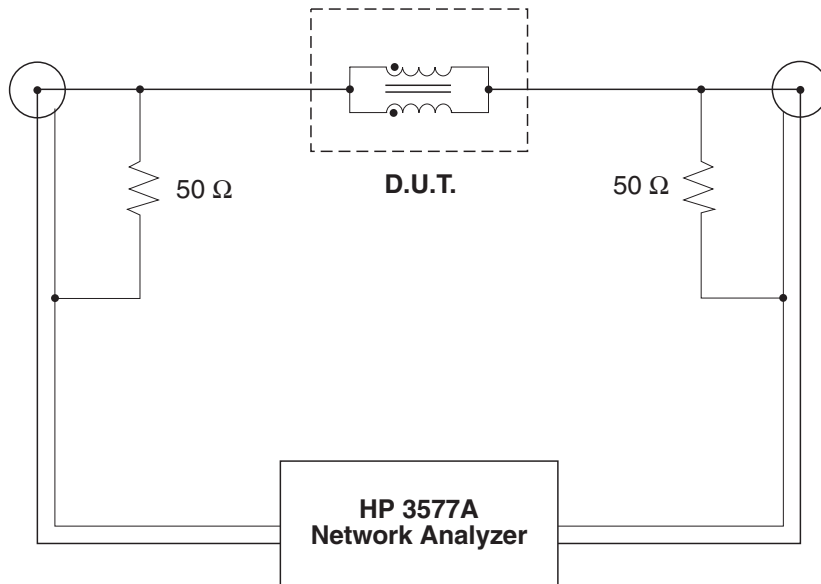
Dimensions: $\frac{\text{Inches}}{\text{mm}}$

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

Pulse Worldwide Headquarters

12220 World Trade Drive
San Diego, CA
92128
U.S.A.

Tel: 858 674 8100
Fax: 858 674 8262

Pulse Europe

Einsteinstrasse 1
D-71083 Herrenberg
Germany

Tel: 49 7032 78060
Fax: 49 7032 7806 135

Pulse China Headquarters

B402, Shenzhen Academy of
Aerospace Technol-
ogy 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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<http://moschip.ru/get-element>

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Офис по работе с юридическими лицами:

105318, г.Москва, ул.Щербаковская д.3, офис 1107, 1118, ДЦ «Щербаковский»

Телефон: +7 495 668-12-70 (многоканальный)

Факс: +7 495 668-12-70 (доб.304)

E-mail: info@moschip.ru

Skype отдела продаж:

moschip.ru

moschip.ru_4

moschip.ru_6

moschip.ru_9