

Surface Mount Slic Package Common Mode Chokes

Suited for LAN and Telecom WAN Applications



- Ⓢ Pulse Patented SLIC SMD LPC package
- Ⓢ 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 245°C

Electrical Specifications @ 25°C

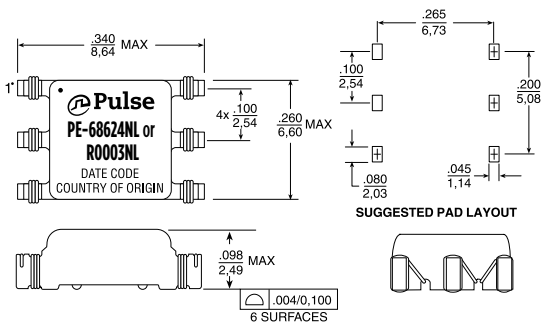
Part Number ¹	No. of Lines	Primary Inductance OCL (μH MIN)	Common Mode Attenuation (dB TYP)									DCR (Ω MAX)	Primary Application
			100 KHz	1 MHz	10 MHz	30 MHz	50 MHz	100 MHz	300 MHz	500 MHz	1 GHz		
PE-68624NL	2	47	11	27	40	44	42	36	26	17	—	0.40	WAN
B4003NL	2	4700	46	41	48	38	33	21	22	23	17	1.00	VDSL
R0003NL	3	20	6	14	27	27	30	30	30	28	25	0.40	LAN
PE-65627NL	4	24	8	21	32	36	37	36	30	20	—	0.25	WAN
PE-65854NL	4	47	3	19	32	36	35	29	12	6	—	0.40	WAN

- For Tape & Reel packaging, add suffix "T" to the end of the part number e.g. R0003NLT
- MSL = Moisture Sensitivity Level = 1

MECHANICALS

SCHEMATICS

PE-68624NL, R0003NL



Dimensions: Inches
mm
Unless otherwise specified,
all tolerances are ± .010
0,25

Weight 0.17 grams
Tape & Reel 1500/reel
Tube 85/tube

R0003NL

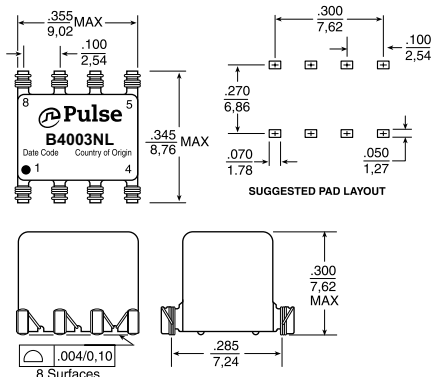


Connect unused pin to logic ground for optimum performance.

PE-68624NL

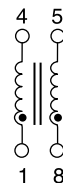


B4003NL



Dimensions: Inches
mm
Unless otherwise specified,
all tolerances are ± .010
0,25

Weight 0.70 grams
Tape & Reel 400/reel
Tube 50/tube



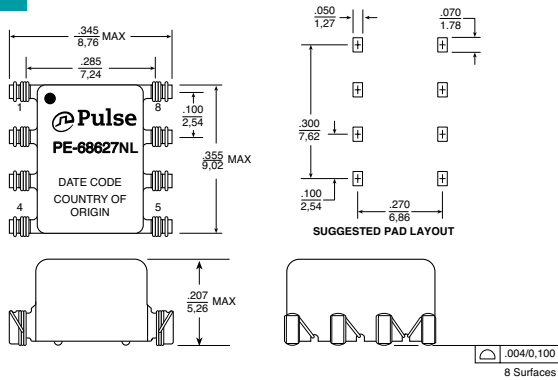
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MECHANICALS

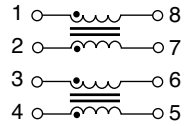
SCHEMATICS

PE-68627NL

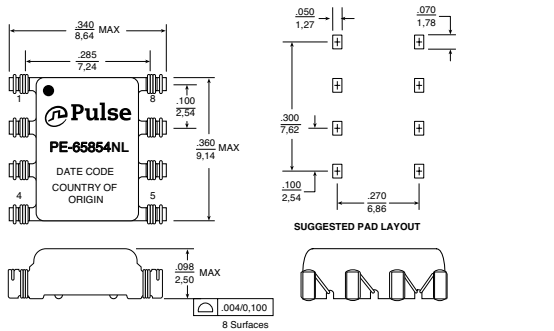


Dimensions: $\frac{\text{Inches}}{\text{mm}}$
Unless otherwise specified,
all tolerances are $\pm \frac{.010}{0.25}$

Weight 0.32 grams
Tape & Reel850/reel
Tube45/tube

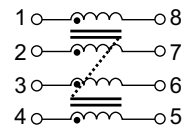


PE-65854NL

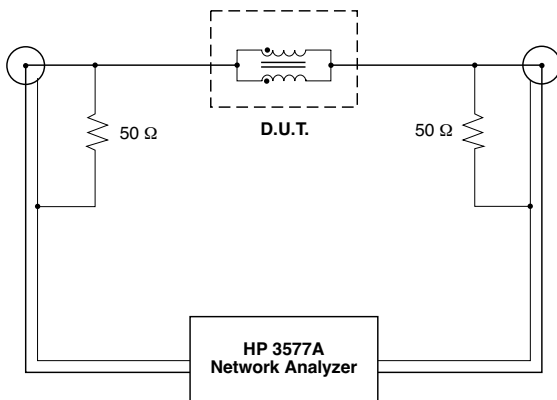


Dimensions: $\frac{\text{Inches}}{\text{mm}}$
Unless otherwise specified,
all tolerances are $\pm \frac{.010}{0.25}$

Weight 0.23 grams
Tape & Reel1500/reel
Tube60/tube



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:

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