

SMT COMMON MODE CHOKES

for PoE Applications



- RoHS-6 peak reflow temperature rating 245°C
- Meets IEEE 802.3 specification

Electrical Specifications @ 25°C - Operating Temperature -0°C to +70°C

Part Number ^{1,2,3}	SRF (TYP)	MAX Inter-winding Capacitance (pF)	Leakage Inductance (μH MAX)	OCL (±35%)	DC Resistance (Ω MAX)	Impedance Curves ⁴
H6030NL	120 MHz	8	0.12	15 μH	0.20	1
H6031NL	65 MHz	15	0.15	30 μH	0.28	2
H6032NL	40 MHz	18	0.20	60 μH	0.35	3
H6033NL	28 MHz	25	0.25	100 μH	0.40	4
H6034NL	7.1 MHz	10	0.20	250 μH	0.30	5
H6035NL	5.6 MHz	18	0.25	500 μH	0.40	6
H6036NL	3.9 MHz	30	0.30	1 mH	0.50	7

Notes:

- Turns Ratio: (1 - 4) : (5 - 8) = 1:1 (±3%)
- Between channel isolation: 500 VAC @ 60 seconds
- Polarity: per schematic
- For Tape & Reel** packaging, add a "T" suffix to the end of the part number when ordering (i. e. **H6030NL** becomes **H6030NLT**).
- See charts page 2

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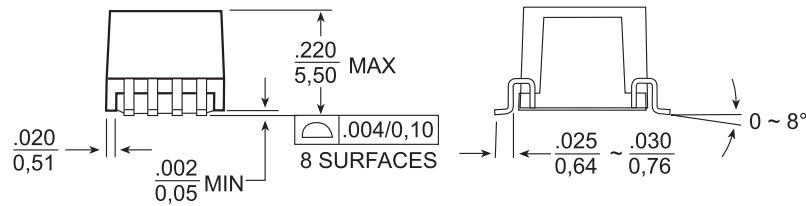
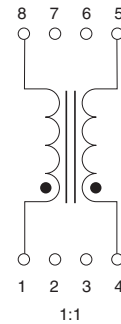
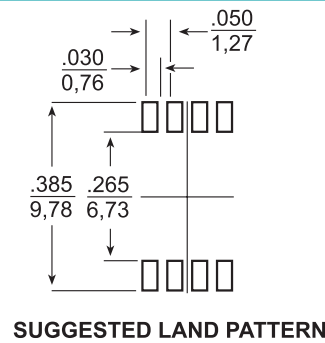
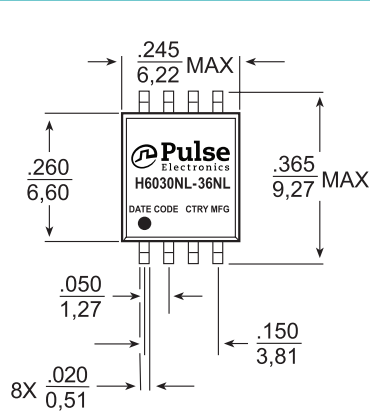
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Mechanicals

Schematics

H6030NL-H6036NL

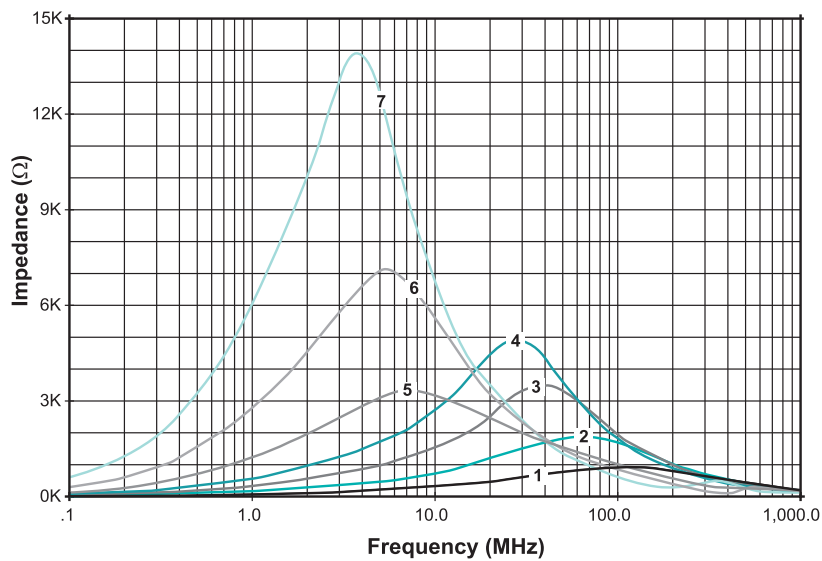


Weight0.4 grams
 Tape & Reel750
 Tube85

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

Impedance Curves

H6030NL-H6036NL



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