

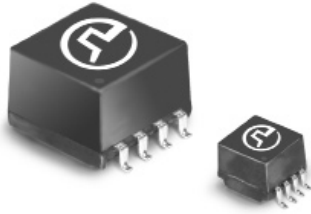



# THE DATASHEET OF H6033NLT



# 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 <sup>1, 2, 3</sup>	SRF (TYP)	MAX Inter-winding Capacitance (pF)	Leakage Inductance (μH MAX)	OCL (±35%)	DC Resistance (Ω MAX)	Impedance Curves <sup>4</sup>
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:

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

# SMT COMMON MODE CHOKES

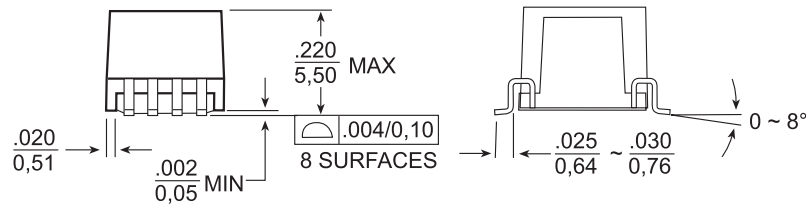
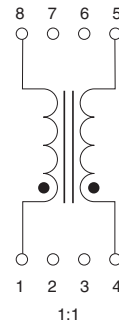
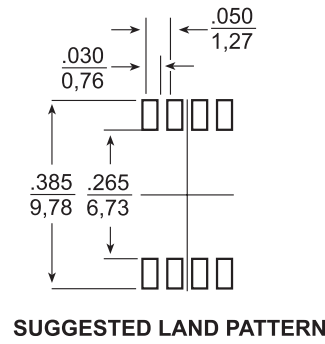
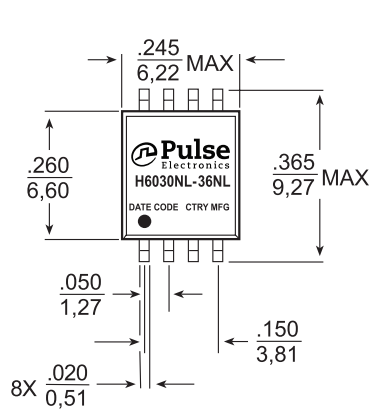
for PoE Applications



## Mechanicals

## Schematics

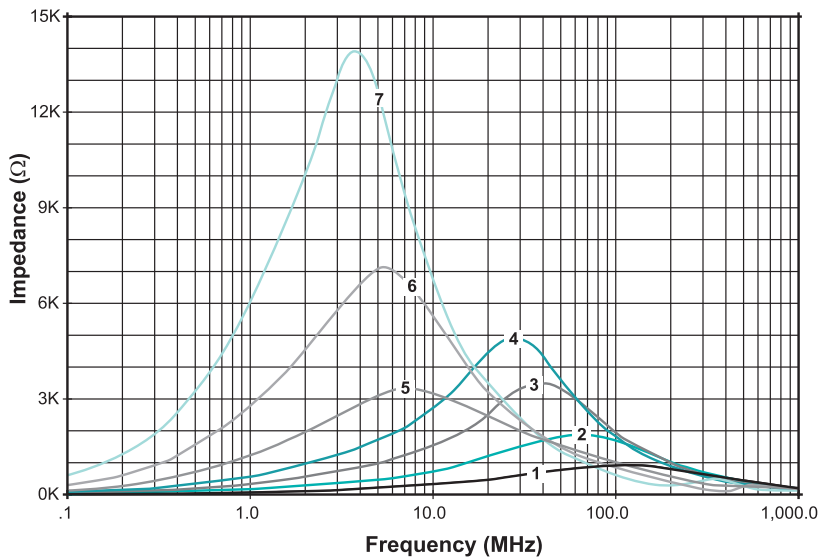
H6030NL-H6036NL



Weight .....0.4 grams      **Dimensions:**  $\frac{\text{Inches}}{\text{mm}}$   
 Tape & Reel .....750  
 Tube .....85      Unless otherwise specified, all tolerances are  $\pm \begin{matrix} .010 \\ 0.25 \end{matrix}$

## Impedance Curves

H6030NL-H6036NL



# SMT COMMON MODE CHOKES

for PoE Applications

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