

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

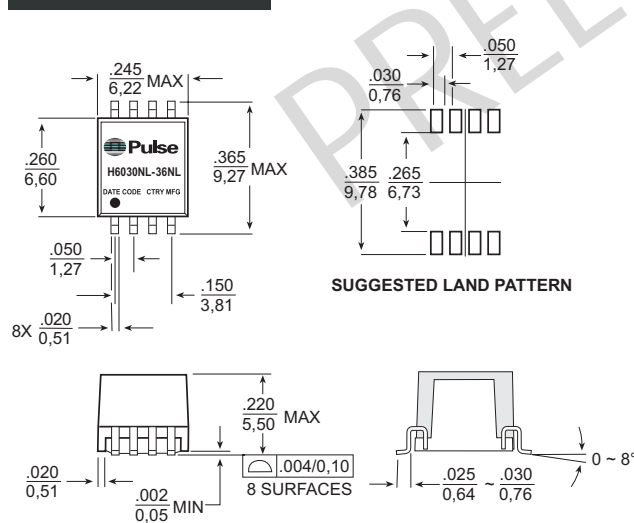
Part Number ^{1,2,3}	SFR (TYP)	MAX Inter-winding Capacitance (pF)	Leakage Inductance (μH MAX)	OCL (±35%)	DC Resistance (Ω MAX)	Impedance Curves ⁴
H6030NL	120 MHz	8	0.12	15 μH	0.20	1
H6031NL	65 MHz	15	0.15	30 μH	0.28	2
H6032NL	40 MHz	18	0.20	60 μH	0.35	3
H6033NL	28 MHz	25	0.25	100 μH	0.40	4
H6034NL	7.1 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
H6037NL	350 kHz	120	1.0	20 mH	2.0	8
H6038NL	160 kHz	160	1.5	40 mH	2.60	9

1. Turns Ratio: (1 - 4) : (5 - 8) = 1:1 (±3%)
2. Between channel isolation: 500 VAC @ 60 seconds
3. Polarity: per schematic
4. See charts page 2

Mechanicals

Schematic

H6030NL-H6036NL

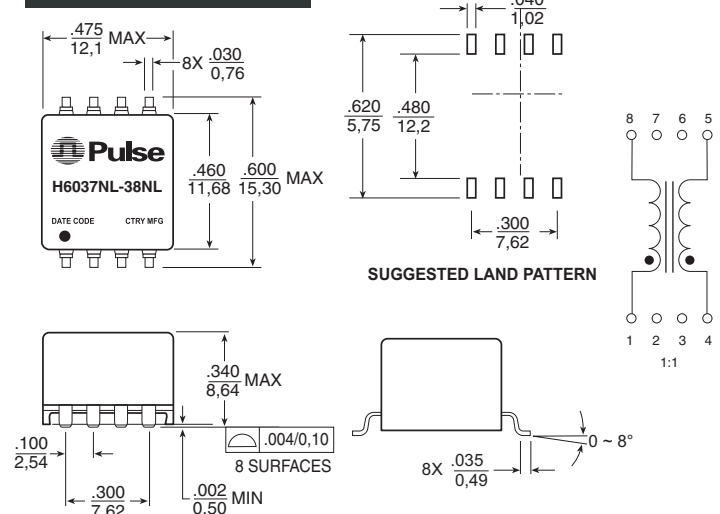


Weight0.4 grams
Tape & Reel750
Tube85

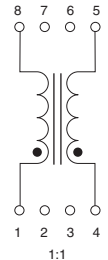
Dimensions: $\frac{\text{Inches}}{\text{mm}}$

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

H6037NL & H6038NL



Weight1.8grams
Tape & Reel250
Tube40



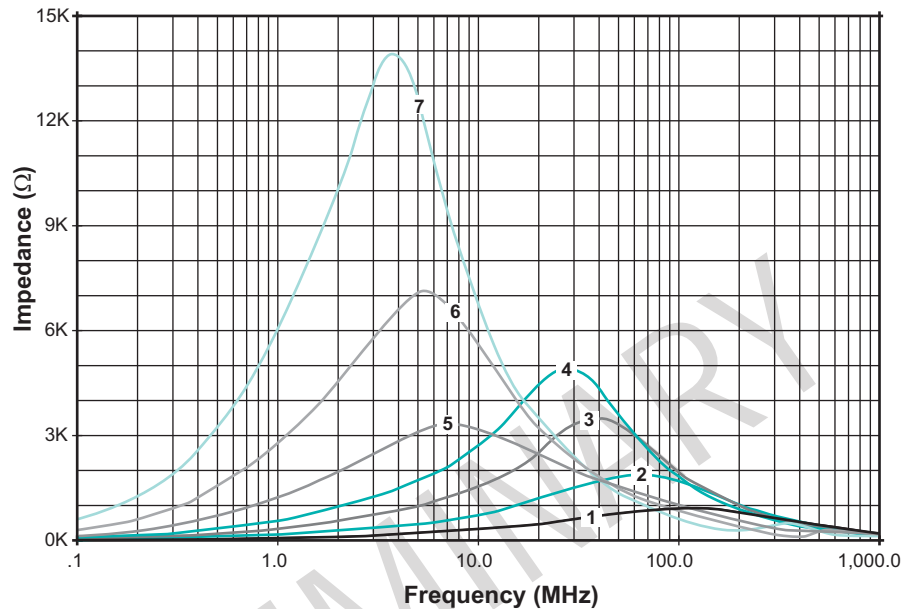
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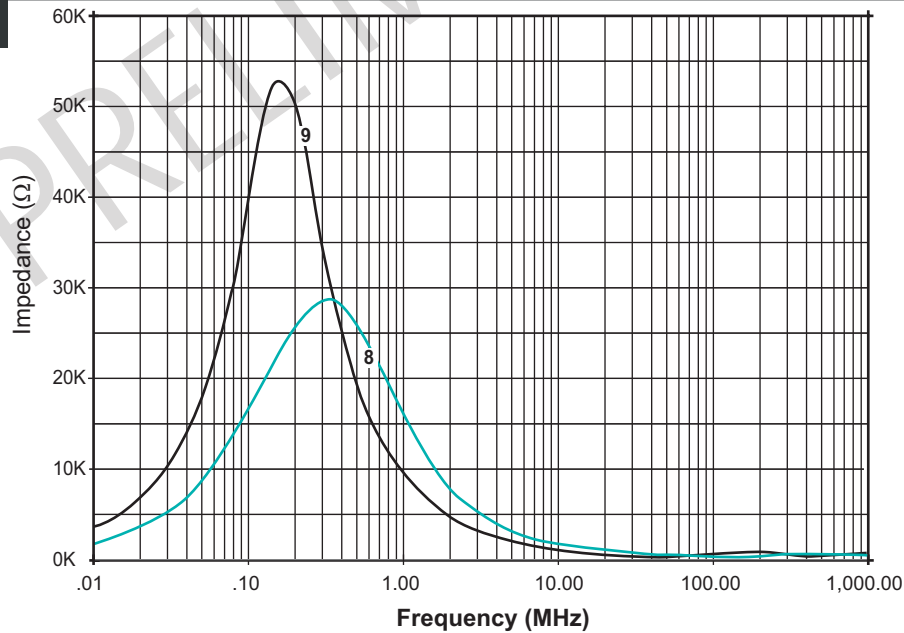


Impedance Curves

H6030NL - H6036NL



H6037NL & H6038NL



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