

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

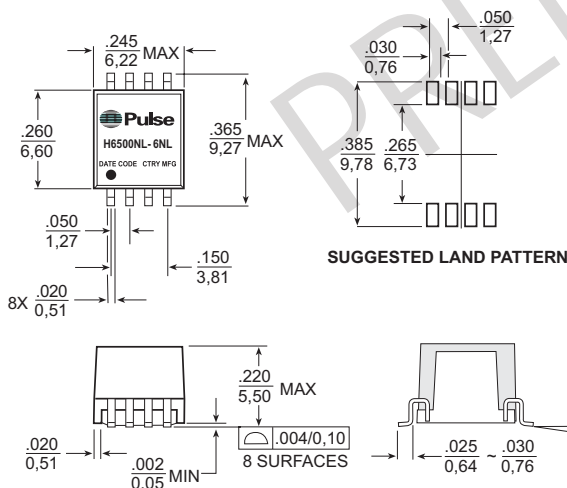
Part Number ^{1,2,3}	SRF (TYP)	MAX Inter-winding Capacitance (pF)	Leakage Inductance (μH MAX)	OCL (±35%)	DC Resistance (Ω MAX)	Impedance Curves ⁴
H6500NL	110 MHz	8	0.12	15 μH	0.15	1
H6501NL	60 MHz	15	0.15	30 μH	0.20	2
H6502NL	42 MHz	18	0.20	60 μH	0.25	3
H6503NL	26 MHz	25	0.25	100 μH	0.30	4
H6504NL	7.0 MHz	10	0.20	250 μH	0.18	5
H6505NL	5.5 MHz	18	0.25	500 μH	0.28	6
H6506NL	2.6 MHz	30	0.30	1 mH	0.35	7
H6507NL	300 kHz	120	1.0	20 mH	1.50	8
H6508NL	150 kHz	160	1.5	40 mH	2.0	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

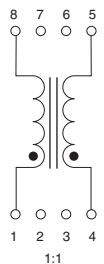
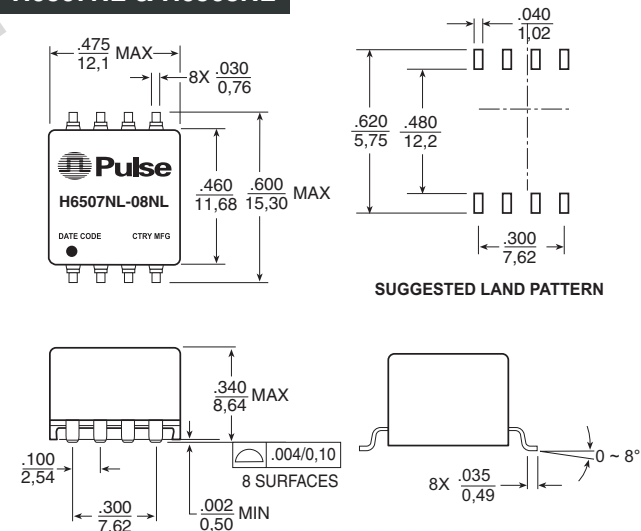
Mechanicals

Schematic

H6500NL-H6506NL



H6507NL & H6508NL



Weight0.4 grams
Tape & Reel750
Tube85

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

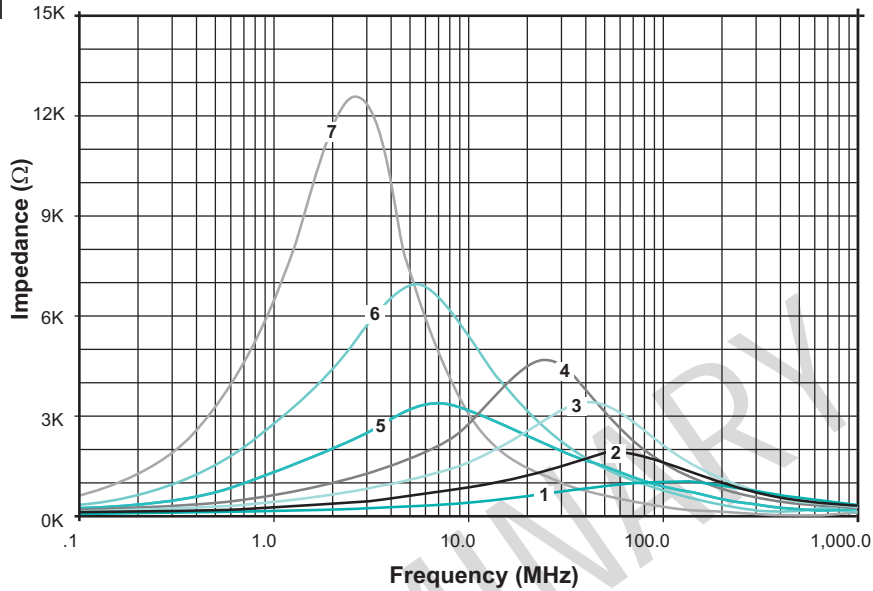
Weight1.8grams
Tape & Reel250
Tube40

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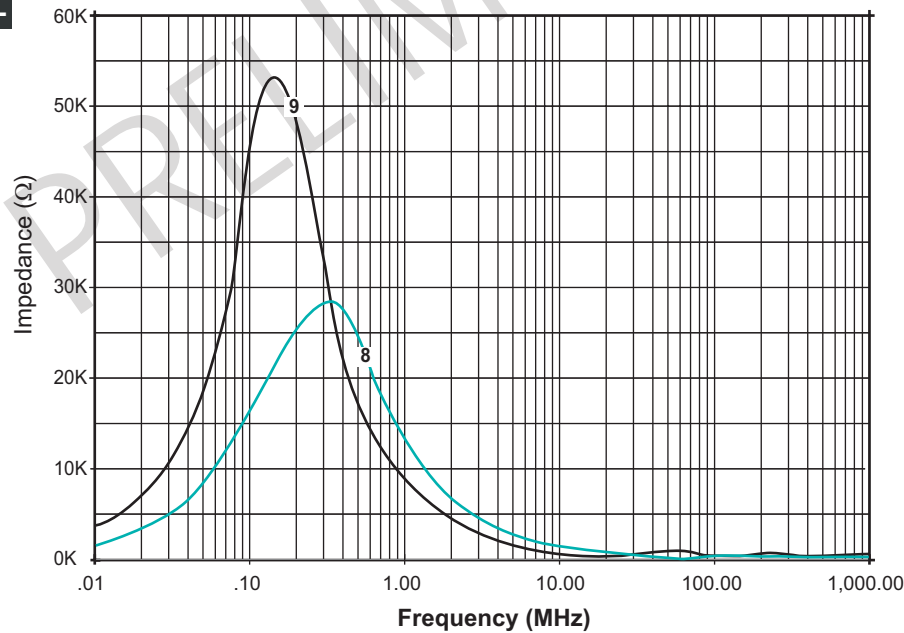


Impedance Curves

H6500NL - H6506NL



H6507NL & H6508NL



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