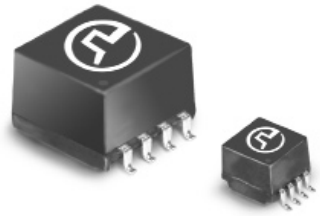
SMT COMMON MODE CHOKES

for PoE Applications

Pulse A YAGEO Company



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

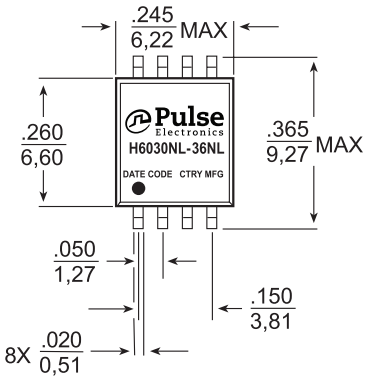
Electrical Specifications @ 25°C - Operating Temperature -0°C to +70°C						
Part Number[1, 2, 3]	**SRF (TYP)**	**MAX Inter-winding Capacitance (pF)**	**Leakage Inductance (µH MAX)**	**OCL (±35%)**	**DC Resistance (Ω MAX)**	**Impedance Curves[4]**
H6030NL	120 MHz	8	0.12	15 µH	0.20	1
H6031NL	65 MHz	15	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

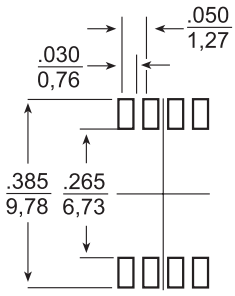
Notes:

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 becomes **H6030NLT**).
5. See charts page 2

Mechanicals

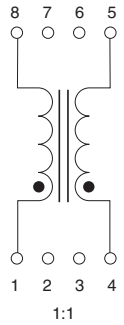
H6030NL-H6036NL

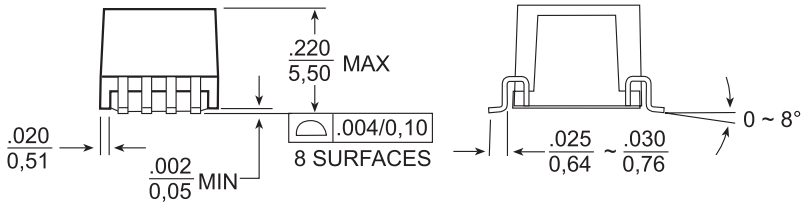




SUGGESTED LAND PATTERN

Schematics





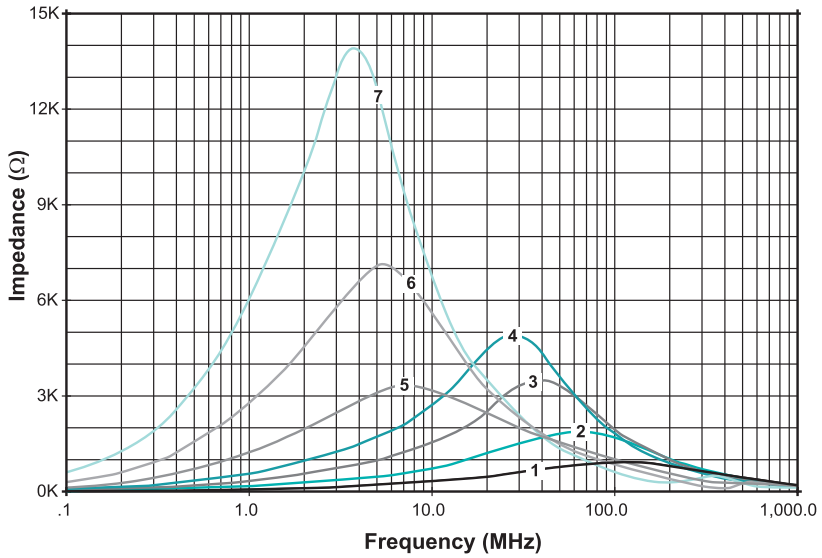
Weight .....0.4 grams
Tape & Reel 750
Tube 85

Dimensions: Inches / mm

Unless otherwise specified, all tolerances are ± .010 / 0.25

Impedence Curves

H6030NL-H6036NL



For More Information:
Americas - prodinfonetworkamericas@pulseelectronics.com | **Europe -** comms-Apps-Europe@pulseelectronics.com | **Asia -** prodinfonetworkapac@pulseelectronics.com

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