

# SMT Common Mode Chokes

PM9407.XXXNLT Series



- Ⓢ ER19 Planar Platforms
- Ⓢ 24.9x21.6x16.9mm Max
- Ⓢ Up to 39Arms rated current
- Ⓢ 1500Vrms Isolation (380Vrms continuous)

## Electrical Specifications @ 25°C - Operating Temperature -40°C to +125°C

| Part Number   | Inductance<br>(2,3-5,6)    | Irated | LK<br>(2,3-5,6) with<br>(7,8,10,11) shorted | Capacitance<br>N1 to N2<br>(2,3,5,6) to (7,8,10,11) | DCR<br>(2,3-5,6)=(10,11-7,8)     | Self Resonant<br>Frequency<br>(2,3-5,6)=(10,11-7,8) | Impedance at SRF                 |
|---|----------------------------|--------|---|---|----------------------------------|---|----------------------------------|
|   | ( $\mu\text{H} \pm 35\%$ ) | (A)    | ( $\mu\text{H TYP}$ )                       | ( $\text{pF TYP}$ )                                 | ( $\text{m}\Omega \text{ MAX}$ ) | ( $\text{MHz TYP}$ )                                | ( $\text{k}\Omega \text{ TYP}$ ) |
| <b>PM9407.XXXNLT - 24.9mm x 21.6mm x 16.9mm Max</b> |                            |        |   |   |                                  |   |                                  |
| PM9407.104NLT                                       | 120.0                      | 20     | 0.4   | 4.3   | 2.50                             | 1.65  | 0.73                             |
| PM9407.204NLT                                       | 200.0                      | 17     | 0.5   | 6.4   | 3.50                             | 1.79  | 1.08                             |
| PM9407.304NLT                                       | 280.0                      | 14     | 0.9   | 7.0   | 4.80                             | 1.57  | 1.60                             |
| PM9407.404NLT                                       | 360.0                      | 12     | 1.3   | 7.2   | 5.30                             | 1.56  | 1.72                             |
| PM9407.504NLT                                       | 480.0                      | 10     | 1.5   | 7.8   | 7.80                             | 1.42  | 2.35                             |

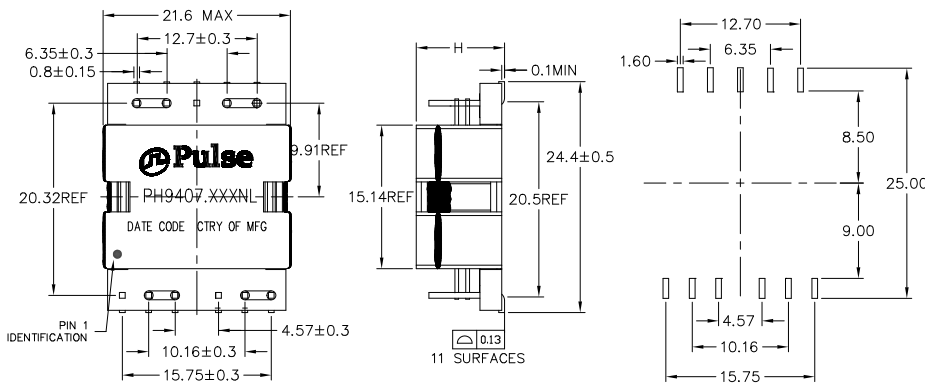
### NOTE:

- The Irated is based upon the temperature rise of the component and represents the rms current which will cause a typical temperature rise of 50°C with free air cooling.
- The temperature of the component (ambient plus temperature rise) must be within the stated operating temperature range.
- Pulse complies to industry standard tape and reel specification EIA481.

## Mechanicals

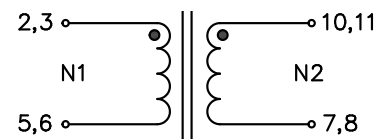
## Schematic

### PM9407.XXXNLT



FINAL OUTLINE

SUGGESTED PAD LAYOUT



| PM9407. Series | H(mm Max) | Weight(g TYP) | Tape & Reel |
|----------------|-----------|---------------|-------------|
| 104NLT         | 13.9      | 17.0          | 100/ Reel   |
| 204NLT         | 14.8      | 17.7          | 100/ Reel   |
| 304NLT         | 16.0      | 18.5          | 80/ Reel    |
| 404NLT         | 16.9      | 19.3          | 80/ Reel    |
| 504NLT         | 16.9      | 19.3          | 80/ Reel    |

Dimensions: mm

Unless otherwise specified, all tolerance are  $\pm 0.25$

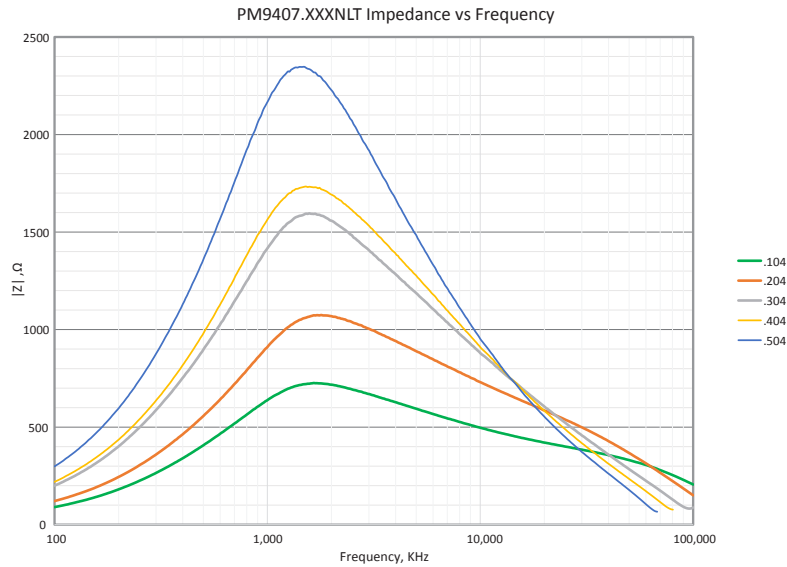
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## Impedance Plots

PM9407.XXXNLT

PM9407.XXXNLT



### For More Information:

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