

# 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 (2,3-5,6)	I <sub>rated</sub>	LK (2,3-5,6) with (7,8,10,11) shorted	Capacitance N1 to N2 (2,3,5,6) to (7,8,10,11)	DCR (2,3-5,6)=(10,11-7,8)	Self Resonant Frequency (2,3-5,6)=(10,11-7,8)	Impedance at SRF
	( $\mu\text{H} \pm 35\%$ )	(A)	( $\mu\text{H TYP}$ )	(pF TYP)	(m $\Omega$ MAX)	(MHz TYP)	(k $\Omega$ TYP)
PM9407.XXXNLT - 24.9mm x 21.6mm x 16.9mm Max							
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

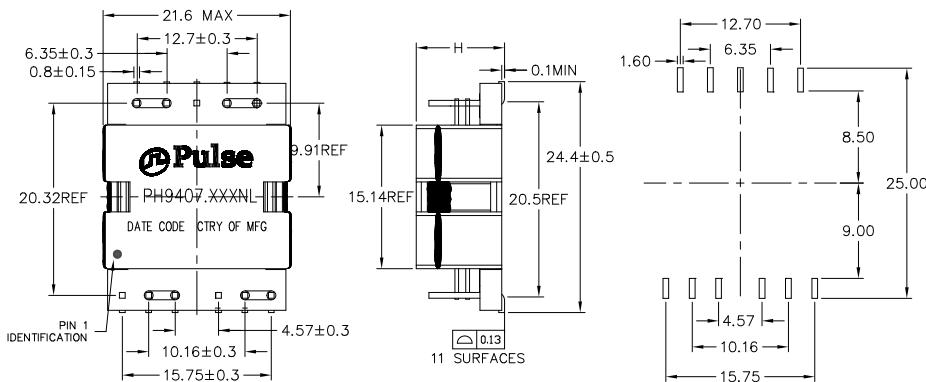
### NOTE:

1. The I<sub>rated</sub> 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.
2. The temperature of the component (ambient plus temperature rise) must be within the stated operating temperature range.
3. Pulse complies to industry standard tape and reel specification EIA481.

## Mechanicals

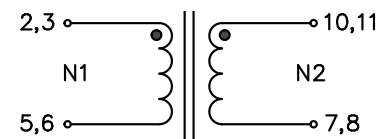
## Schematic

### 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  $\pm 0.25$

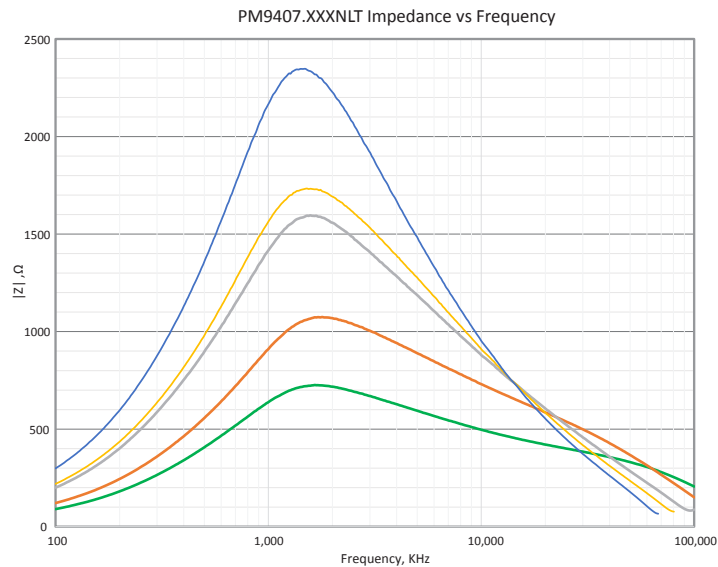
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## Impedance Plots

PM9407.XXXNLT

PM9407.XXXNLT



### For More Information:

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