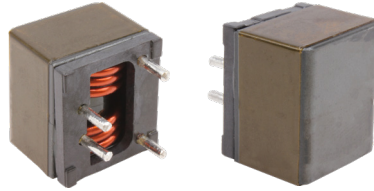


# THT Common Mode Chokes

PMC9539.XXXNL Series



- Ⓢ EP16 Platform
- Ⓢ Round Wire Coil
- Ⓢ 19.6x17.8x15.5mm
- Ⓢ 90uH/25A to 250uH/18A
- Ⓢ 1000Vdc Isolation

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

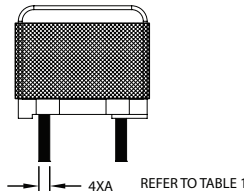
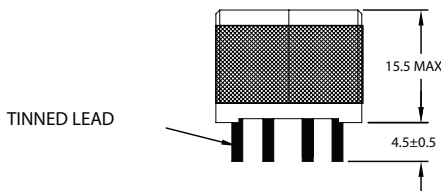
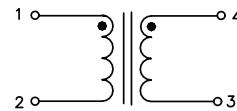
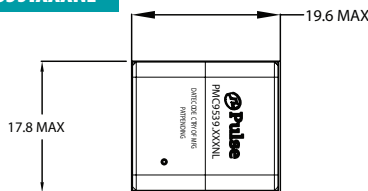
Part Number	Inductance (1-2)=(3-4)	I <sub>rated</sub>	Leakage Inductance (1-2) with (3-4) shorted	Capacitance (1,2) to (3,4)	DCR (1-2)=(3-4)	Self Resonant Frequency (1-2)=(3-4)	Impedance @ SRF
	(uH MIN/TYP)	(A)	(uH TYP/MAX)	(pF TYP/MAX)	(mΩ MAX)	(MHz TYP)	(Ω TYP)
PMC9539.903NL	58/90	25	0.8/1.5	10/20	1.3	2.1	250
PMC9539.164NL	100/160	22	1.0/2.0	13/26	1.7	1.9	450
PMC9539.254NL	160/250	18	1.3/2.6	16/30	2.7	1.6	750

- NOTE:**
- The current rating (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.
  - The temperature of the component (ambient plus temperature rise) must be within the stated operating temperature range.

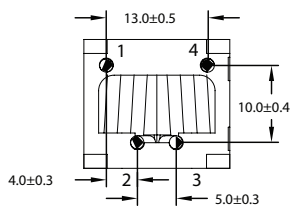
## Mechanicals

## Schematic

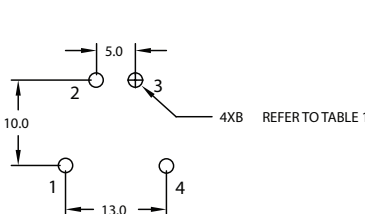
### PMC9539.XXXNL



**Weight (TYP)** .....18 grams  
**Tray** .....150/ Tray  
**Dimensions: mm**  
 Unless otherwise specified, all tolerance are ±0.25



FINAL OUTLINE



SUGGESTED LAND PATTERN

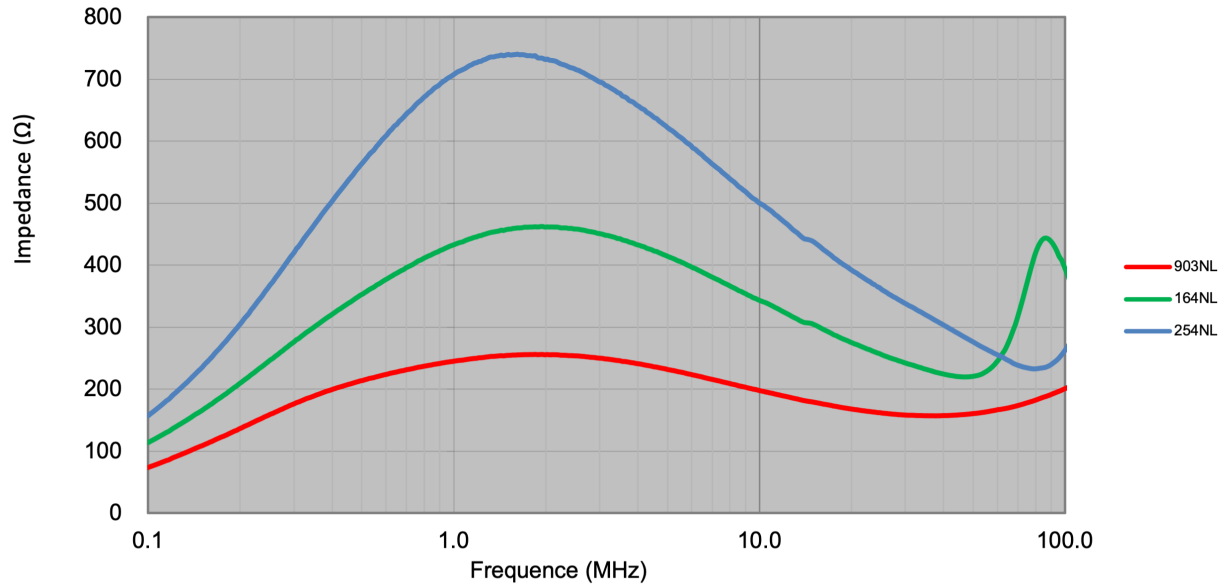
Part Number	A Dimension	B Dimension
PMC9539.903NL	1.45±0.1	1.85
PMC9539.164NL	1.45±0.1	1.85
PMC9539.254NL	1.25±0.1	1.65

# THT Common Mode Chokes

PMC9539.XXXNL Series

## Impedance Plots

PMC9539 Impedance Vs Frequency



### For More Information:

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