

SMT Common Mode Choke

PA4339.XXXNLT Series



- ⊗ **Height:** 3.8 mm MAX
- ⊗ **Footprint:** 7.5 mm x 6.5 mm MAX
- ⊗ **Rated Current:** up to 9.0 A
- ⊗ **Rated Voltage (MAX):** 80Vdc between windings.

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

| Part Number | Inductance (uH ± 50%) | Rated Current (A) | DCR/Winding (mOHms Max) | Impedance @ 100 MHz (ohms) | | SRF (MHz) |
|---------------|-----------------------|-------------------|-------------------------|----------------------------|------|-----------|
| | | | | MIN | TYP | TYP |
| PA4339.101NLT | 1.8 | 9.0 | 10 | 100 | 140 | 200 |
| PA4339.301NLT | 2.8 | 5.0 | 10 | 225 | 300 | 138 |
| PA4339.501NLT | 4.0 | 5.0 | 10 | 275 | 350 | 124 |
| PA4339.701NLT | 5.0 | 4.0 | 15 | 500 | 700 | 108 |
| PA4339.102NLT | 8.0 | 3.0 | 17 | 800 | 1020 | 93 |
| PA4339.132NLT | 9.0 | 2.5 | 21 | 910 | 1300 | 77 |

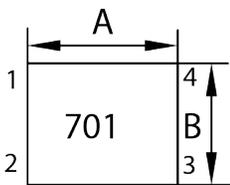
Notes:

- The temperature of the component (ambient plus temperature rise) must be within the stated operating temperature range.
- The current rating (I_{rated}) is based upon the temperature rise of the component and represents the rms current which will cause a typical temperature rise of 40°C.
- Inductance value is only for reference and is measured at 100kHz, 100Vrms.

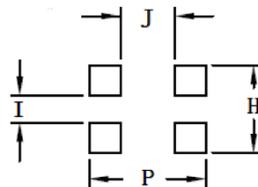
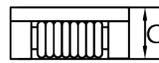
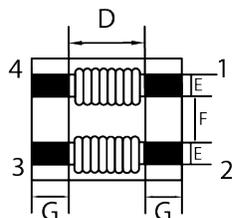
Mechanical

Schematic

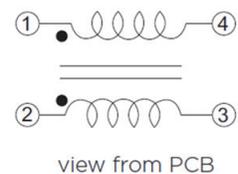
PA4339.XXXNLT



FINAL LAYOUT



SUGGESTED PAD LAYOUT



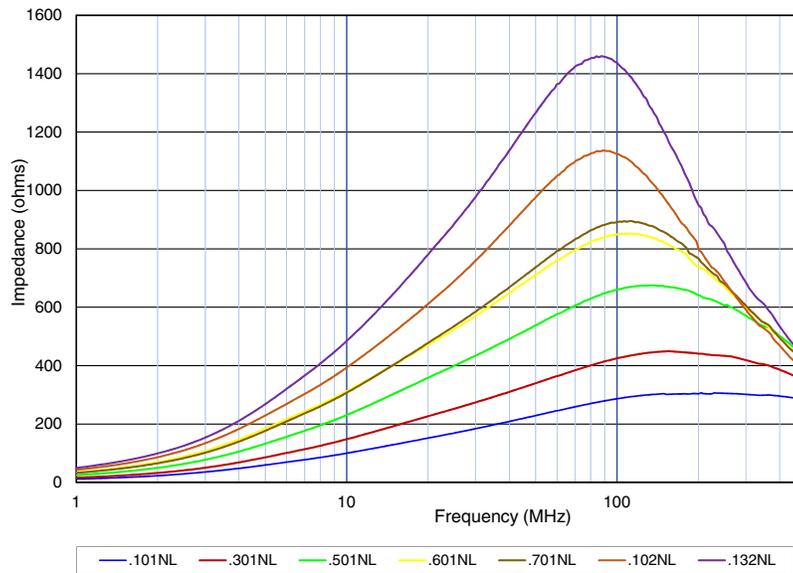
| SERIES | A | B | C | D | E | F | G | I | H | J | P |
|---------------|-----------|-----------|------------|-------|-----------|-----------|------------|-------|-------|-------|-------|
| PA4339.XXXNLT | 7.0±0.5mm | 6.0±0.5mm | MAX 3.8 mm | 3.5mm | 1.5±0.2mm | 1.5±0.2mm | 1.75±0.2mm | 1.5mm | 4.5mm | 2.5mm | 8.0mm |

All Dimensions in mm.

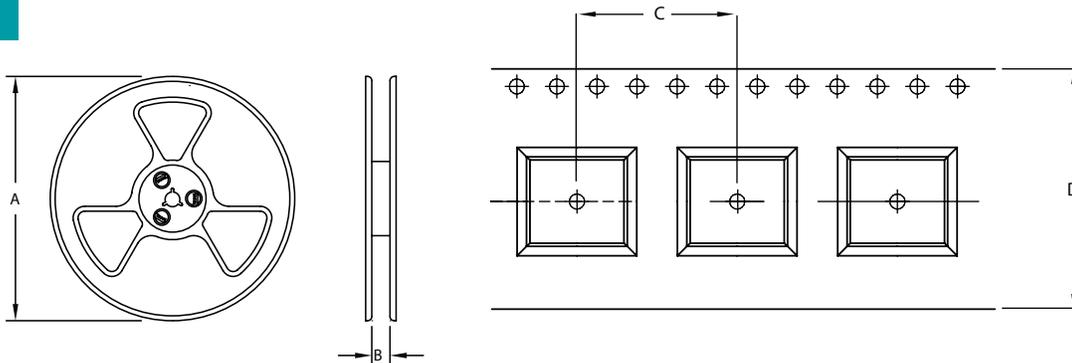
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PA4339.XXXNLT Series

PA4339.XXXNLT, Typical Impedance versus Frequency



TAPE & REEL INFO



SURFACE MOUNTING TYPE, REEL/TAPE LIST

| SERIES | REEL SIZE (mm) | | TAPE SIZE (mm) | | QTY |
|---------------|----------------|------|----------------|----------|----------|
| | A | B | C | D | PCS/REEL |
| PA4339.XXXNLT | Ø330 | 16.4 | 12.0±0.1 | 16.0±0.3 | 1500 |

For More Information

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