THT Integrated Common Mode and Differential Mode Choke

PA4040.XXXNL

- *Common Mode and Differential Mode Choke intergrated into a single component reducing overall losses and reducing footprint*
- *Dielectric Strength: 1500Vrms*
- *Common Mode Inductance: 4.5mH (1Arms) to 0.28mH (3.5Arms)*
- *Differential Mode Inductance: 685uH (1.33Apk) to 55uH (4.6Apk)*
- *Size (LxWxH): 31.0mm x 24.9mm x 16.5 mm Max*
- *Safety Spacing: 3.0mm creepage and clearance between windings, 1.5mm between windings and core*

Electrical Specifications @ 25°C – Operating Temperature -40°C to +125°C							
Pulse PN	**Common Mode Inductance** (mH Min) (1-2)=(4-3)	**Differential Mode Inductance** (uH Min) (1-4 with 2,3 shorted)	**Irms** (A)	**Ipeak** (A)	**DCR/winding** (mΩ Max) (1-2)=(4-3)	**SRF** (MHz, typical)	**Impedance at SRF** (kΩ typical)
PA4040.001NL	4.5	685	1.0	1.33	245	0.5	140
PA4040.002NL	1.25	320	1.5	2	120	0.7	47
PA4040.003NL	0.41	96	2.5	3.33	46	1.45	8.5
PA4040.004NL	0.28	55	3.5	4.6	32	1.75	5.3

Notes:

1. The current rating (Irms) is based upon the temperature rise of the component and represents the rms current which will cause a typical temperature rise of 40°C.
2. The peak current is the current which will typically cause a 20% drop in the differential mode inductance. The peak current should not be exceeded in the application as it will reduce the CM and DM rejection of the component.
3. The temperature of the component (ambient plus temperature rise) must be within the stated operating temperature range.
4. The PA4040.XXXNL is designed to provide 3.0mm of safety spacing (creepage and clearance distance) between windings and 1.5mm of safety spacing (creepage and clearance distance) between both windings and core.

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Mechanical

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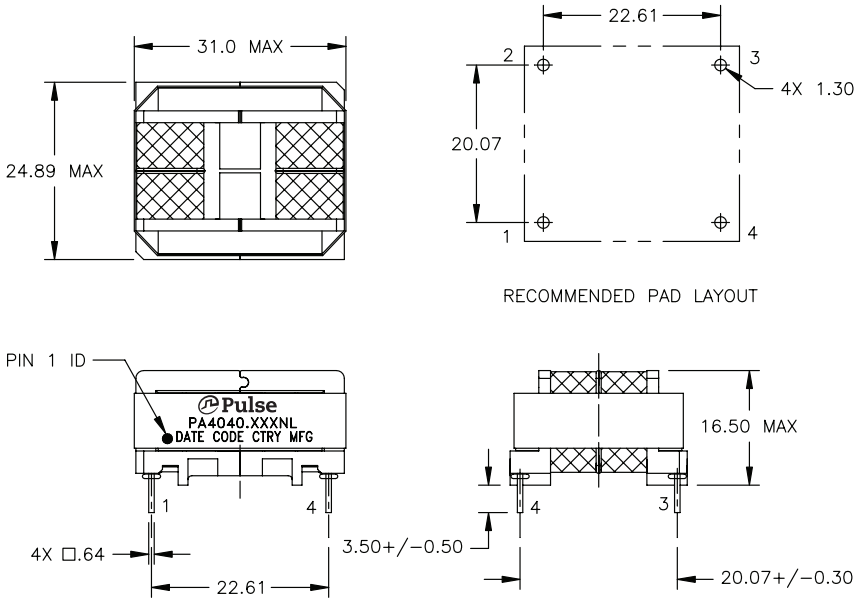
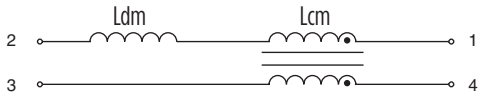


Schematic

PA4040.XXXNL



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单击下面可查看定价，库存，交付和生命周期等信息

>>Pulse(普思)