SMT Power Inductors

Unshielded Drum Core - P0770NL Series



- ***Height:*** *2.9mm Max*
- ***Footprint:*** *6.6mm x 4.5mm Max*
- ***Current Rating:*** *up to 2.9A*
- ***Inductance Range:*** *1.0µH to 220µH*

Electrical Specifications @ 25°C – Operating Temperature -40°C to +130°C

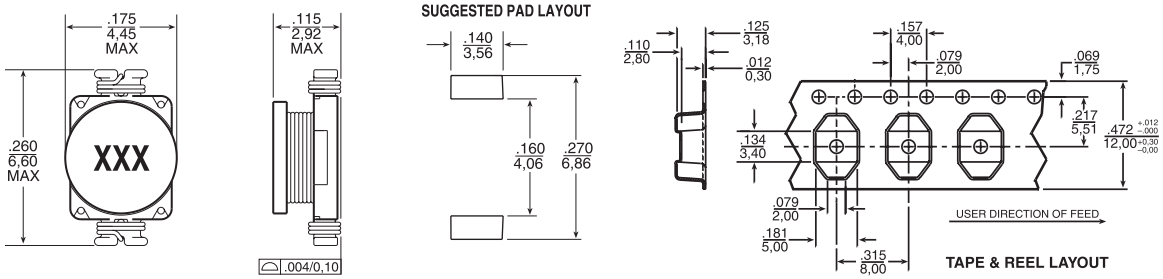
Part [6,7] Number	Inductance @ I_{PK} A_{DC} (µH ± 20%)	Irated [5] (A)	DCR (MAX) (mΩ)	Saturation Current (A) @ 25°C	Heating Current (A)
P0770.102NL	1.0	2.90	50	2.90	2.90
P0770.152NL	1.5	2.60	50	2.60	2.80
P0770.222NL	2.2	2.30	70	2.30	2.40
P0770.332NL	3.3	2.00	80	2.00	2.00
P0770.472NL	4.7	1.50	90	1.50	1.50
P0770.682NL	6.8	1.20	130	1.20	1.40
P0770.103NL	10	1.10	160	1.10	1.10
P0770.153NL	15	0.90	230	0.90	1.20
P0770.223NL	22	0.70	370	0.70	0.80
P0770.333NL	33	0.58	510	0.58	0.60
P0770.473NL	47	0.50	640	0.50	0.50
P0770.683NL	68	0.40	860	0.40	0.40
P0770.104NL	100	0.30	1270	0.31	0.30
P0770.154NL	150	0.25	2000	0.27	0.2
P0770.224NL	220	0.20	3110	0.22	0.20

Notes:

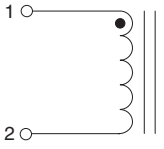
1. The temperature of the component (ambient plus temperature rise) must be within the specified operating temperature range.
2. Inductance tested at 100kHz, 10mV_{RMS}
3. Inductance drop = 10% typical at the Saturation Current
4. ΔT = 15°C rise typical at the Heating Current
5. The rated current is the lower of the saturation or heating current
6. Optional Tape & Reel packaging can be ordered by adding a "**T**" suffix to the part number (i.e. P0770.102NL becomes P0770.102NL**T**). Pulse complies to industry standard tape and reel specification EIA481.
7. The "**NL**" suffix indicates an RoHS-compliant part number. Non-NL suffixed parts are not necessarily RoHS compliant, but are electrically and mechanically equivalent to NL versions. If a part number does not have the "**NL**" suffix, but an RoHS compliant version is required, please contact Pulse for availability.

Mechanical

P0770.XXXNL



Schematic



Weight .....0.2 grams
Tape & Reel 2500/reel

Dimensions: Inches / mm

Unless otherwise specified, all tolerances are ± .010 / 0,25

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