

SMT Power Inductors

Unshielded Drum Core - P1252NL Series



- Height:** 7.5mm Max
- Footprint:** 22.33mm x 15.14mm Max
- Current Rating:** up to 15A
- Inductance Range:** 0.78^H to 10^H

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

Part ^{6,7} Number	Inductance @ 10kHz (μH ± 20%)	I _{rated} ⁵ (A)	DCR (MAX) (mΩ)	Saturation Current (A) @ 25°C	Heating Current (A)
P1252.781NL *	0.78	15.0	2.6	30.0	15.0
P1252.152NL	1.5	15.0	4.0	25.0	15.0
P1252.222NL	2.2	12.0	6.1	20.0	12.0
P1252.332NL	3.3	10.0	8.6	17.0	10.0
P1252.392NL *	3.9	9.0	10	15.0	9.0
P1252.472NL	4.7	8.4	14	13.0	8.4
P1252.605NL	6.0	7.5	17	12.0	7.5
P1252.782NL	7.8	7.5	18	11.0	7.5
P1252.103NL	10	6.0	26	10.0	6.0

Notes:

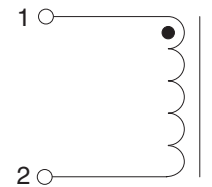
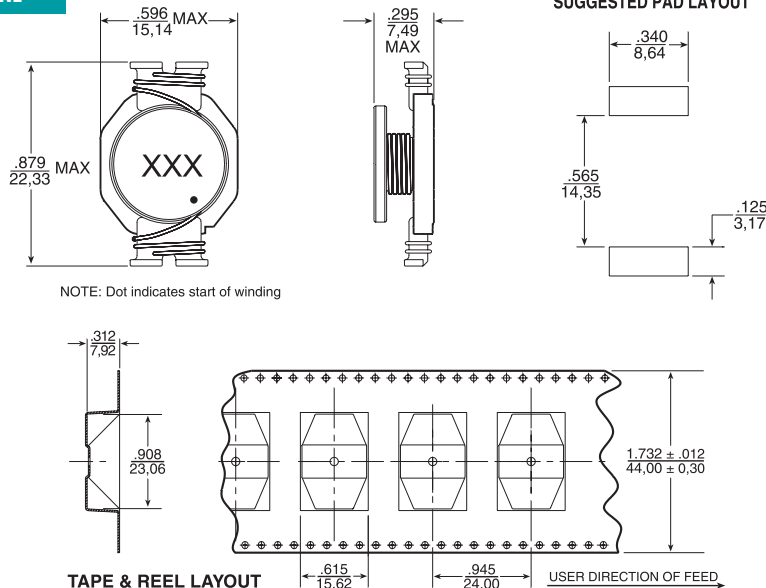
- The temperature rise of the component (ambient plus temperature rise) must be within the specified operating temperature range.
- Inductance tested at 100kHz, 0.1 mV_{RMS}
- Inductance drop = 10% typical at the saturation current
- ΔT = 40°C rise typical at the heating current
- The rated current is lower of the saturation or heating current.
- Optional Tape & Reel packaging can be ordered by adding a "T" suffix to the part number (i.e P1252.781NL becomes P1252.781NLT). Pulse complies to industry standard tape and reel specification EIA481.
- 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.

* Contact Pulse for availability

Mechanical

Schematic

P1252.XXXNL



Weight4.1 grams
Tape & Reel300/reel

Dimensions: Inches
mm

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

For More Information

Pulse Worldwide Headquarters

15255 Innovation Drive Ste 100
San Diego, CA 92128
U.S.A.

Tel: 858 674 8100
Fax: 858 674 8262

Pulse Europe

Pulse Electronics GmbH
Am Rottland 12
58540 Meinerzhagen
Germany

Tel: 49 2354 777 100
Fax: 49 2354 777 168

Pulse China Headquarters

Pulse Electronics (ShenZhen) CO., LTD
D708, Shenzhen Academy of
Aerospace Technology,
The 10th Keji South Road,
Nanshan District, Shenzhen,
P.R. China 518057

Tel: 86 755 33966678
Fax: 86 755 33966700

Pulse North China

Room 2704/2705
Super Ocean Finance Ctr.
2067 Yan An Road West
Shanghai 200336
China

Tel: 86 21 62787060
Fax: 86 21 62786973

Pulse South Asia

3 Fraser Street 0428
DUO Tower
Singapore 189352

Tel: 65 6287 8998
Fax: 65 6280 0080

Pulse North Asia

1F., No.111 Xiyuan Road
Zhongli District
Taoyuan City 32057
Taiwan (R.O.C)

Tel: 886 3 4356768
Fax: 886 3 4356820

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