

Low Profile High Current Shielded Inductors TL4040SG01

FEATURES:

- ⊕ Height (4.0 mm)
- ⊕ Operating temperature range - 55 °C to + 125 °C
- ⊕ Frequency range up to 5.0 MHz
- ⊕ RoHS2 Compliant Halogen Free



Specifications(25 °C):

Part Number ⁽¹⁾	INDUCTANCE ⁽²⁾ (μH)	DCR TYP. (mΩ)	DCR MAX. (mΩ)	HEAT RATING CURRENT (A) ⁽³⁾	SATURATION CURRENT (A) ⁽⁴⁾
TL4040SG01-R19M	0.19	0.875	0.95	40.0	90.0
TL4040SG01-R36M	0.36	1.30	1.40	31.5	60.0
TL4040SG01-R56M	0.56	1.70	1.80	27.5	49.0
TL4040SG01-1R0M	1.0	3.70	4.10	17.5	36.0
TL4040SG01-1R5M	1.5	5.30	5.80	15.0	27.5
TL4040SG01-2R2M	2.2	8.20	9.00	12.0	25.6
TL4040SG01-3R3M	3.3	13.70	14.40	10.0	18.6
TL4040SG01-4R7M	4.7	15.00	16.50	9.5	17.0
TL4040SG01-5R6M	5.6	17.60	19.30	8.5	16.0
TL4040SG01-6R8M	6.8	21.20	23.30	8.0	13.5
TL4040SG01-100M	10	33.20	36.50	6.8	12.0

Tolerance: M = ±20 %

Notes

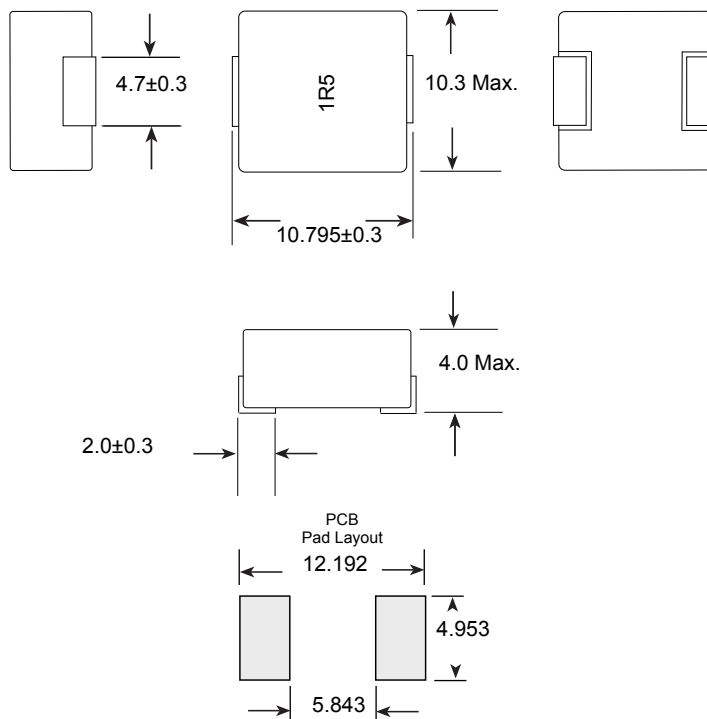
1. Part numbering (See page 2)
2. Inductance measured at 100 kHz, 0.25V and 0 A
3. DC current (A) that will cause an approximate ΔT of 40°C
4. DC current (A) that will cause initial inductance to drop approximately 20%
5. The part temperature should not exceed 125°C under worst case operating conditions.

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Marking : xxx = Inductance in “μH”

1R5 = 1.5 μH

Dimensions : (mm)



Part numbering:

TL4040SG01-1R5MD

TL- Inductor code, 4040 - Series code, SG- SMD Green, 01-Frequency: 1R5 - 1.5 μH, M - Tolerance = ±20%, D- 13" reel

Packaging:

B= Less than full reel machine ready

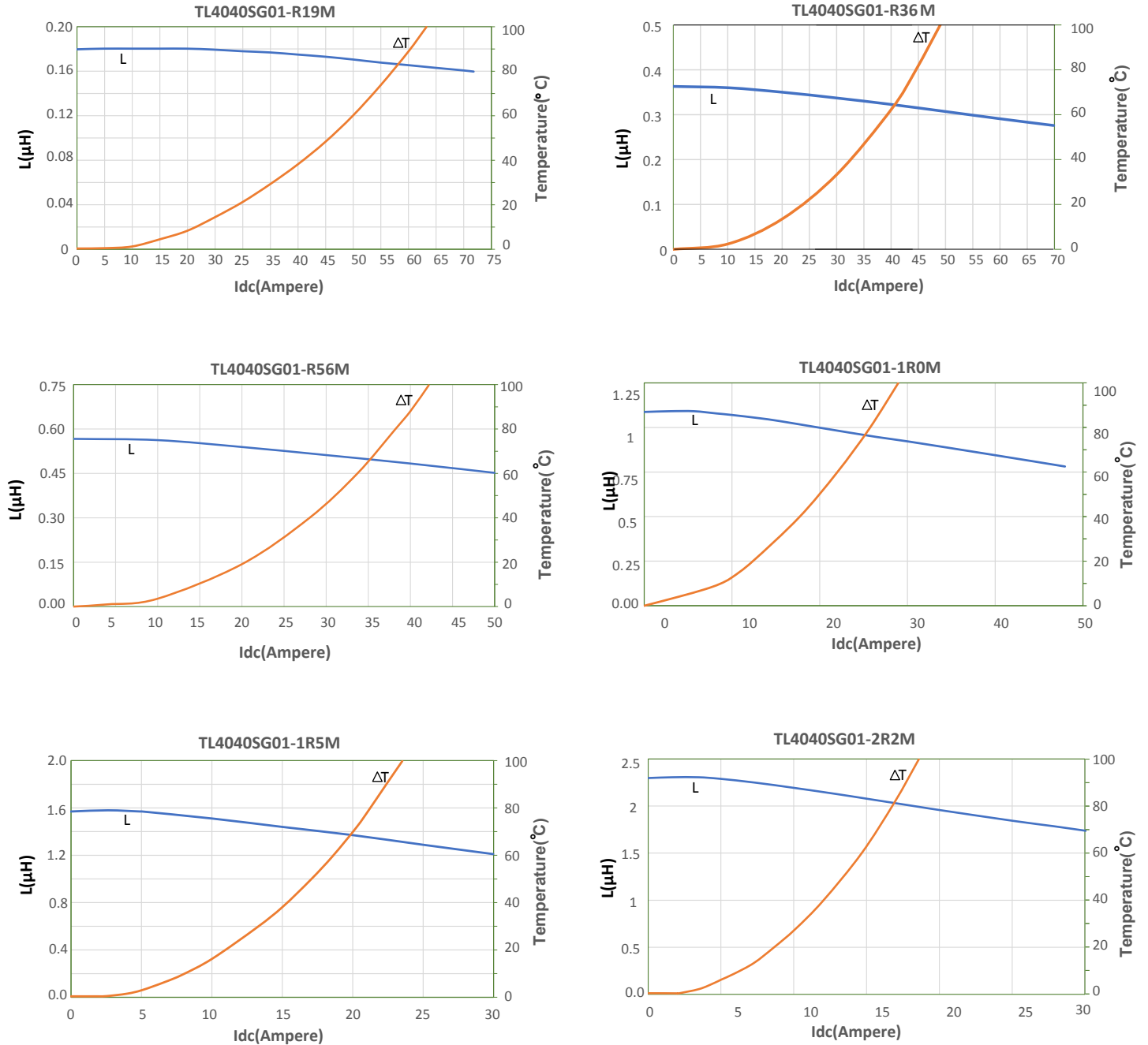
D= 13" machine ready. EIA-481 embossed plastic tape (800 parts)

Termination:

Matte tin over copper

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INDUCTANCE vs CURRENT & ΔT vs CURRENT



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INDUCTANCE vs CURRENT & ΔT vs CURRENT

