

Low Profile High Current Shielded Inductors TL2925SG

FEATURES:

- Low height (4.0 mm)
- Operating temperature range - 55 °C to + 125 °C
- Frequency range up to 1.0 MHz



Specifications(25 °C):

Part Number ⁽¹⁾	INDUCTANCE ⁽²⁾ (μ H)	DCR TYP. (m Ω)	DCR MAX. (m Ω)	HEAT RATING CURRENT (A) ⁽³⁾	SATURATION CURRENT (A) ⁽⁴⁾
TL2925SG-R47M	0.47	2.5	2.8	16.0	22.0
TL2925SG-1R0M	1.0	4.4	4.9	11.0	13.0

Tolerance: M = $\pm 20\%$

Notes

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

Part numbering:

TL2925SG-1R0MD

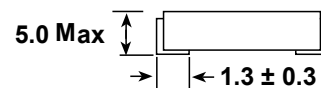
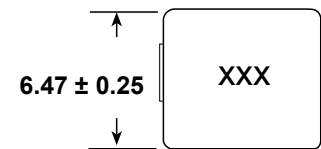
TL- Inductor code, 2925 - Series code, D- 13" reel,
 SG- SMD Green, 1R0 - 1.0 μ H, M - Tolerance = $\pm 20\%$

Packaging:

B= Less than full reel machine ready
 D= 13" machine ready. EIA-481 embossed
 plastic tape (500 parts)

Termination:

RoHS compliant tin silver over copper (96.3/3.5)



Pad Layout

