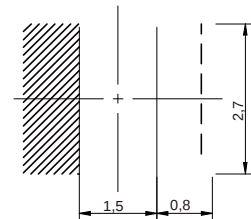


## SMD Shielded Tiny Power Inductor Size 3012

- Magnetic resin for higher current and semi-magnetically shielded
- Quantity: 2000pcs
- DC/DC converter
- LC filter

Dimensions: [mm]

Land Pattern: [mm]



## Electrical Properties:

|                   |           | Saturation |      |               |
|-------------------|-----------|------------|------|---------------|
| ( $\mu\text{H}$ ) | Tolerance | (A)        | (A)  | (m $\Omega$ ) |
|                   |           | 3.00       | 2.90 | 21            |
|                   |           | 2.20       | 2.20 | 33            |
|                   |           | 2.05       | 2.10 | 40            |
|                   |           | 1.90       | 2.00 | 48            |
|                   |           | 1.62       | 1.85 | 55            |
|                   |           | 1.50       | 1.70 | 68            |
|                   |           | 1.20       | 1.55 | 75            |
|                   |           | 1.05       | 1.35 | 100           |
|                   |           | 0.90       | 1.25 | 120           |
|                   |           | 0.80       | 1.10 | 160           |
|                   |           | 0.75       | 1.00 | 190           |
|                   |           | 0.60       | 0.89 | 265           |
|                   |           | 0.45       | 0.72 | 430           |
|                   |           | 0.42       | 0.55 | 630           |
|                   |           | 0.35       | 0.45 | 800           |
|                   |           | 0.36       | 0.46 | 875           |
|                   |           | 0.27       | 0.35 | 1450          |

Operating temperature : -40°C ~ +125°C

Temperature rise current: the actual value of DC current when the temperature rise is  $\Delta T 40^\circ\text{C}$

Saturation Current that will cause initial inductance to drop approximately 30%

