

**Surface Mount Power Inductors****LS4D28 Series****FEATURES**

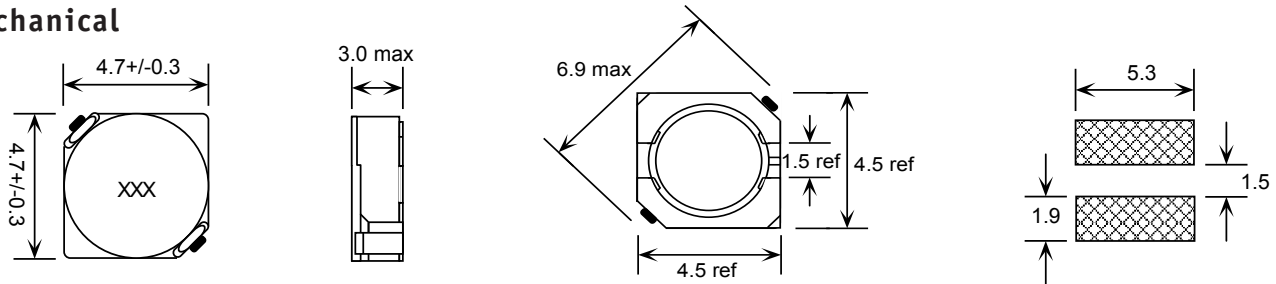
- Will Handle Up To 2.56A
- Economical Design
- Suitable For Pick And Place
- Withstands Solder Reflow
- Shielded Design

APPLICATIONS

- Handheld And PDA Applications
- DC/DC Converters
- Output Power Chokes
- Battery Powered Or Low Voltage Applications

PACKAGING

- Reel Diameter: 330mm
- Reel Width: 12.3mm
- Pieces Per Reel: 2000

**Mechanical****Electrical Specifications**

| Part ⁶ Number | Inductance ¹ (μ H) | Test Frequency (kHz) | DCR max (Ω) | I_{DC} max ² (A) |
|-----------------------------|---------------------------------------|-------------------------|-------------------------|----------------------------------|
| LS4D28-1R2-RN | 1.2 | 100 | 0.0236 | 2.56 |
| LS4D28-1R8-RN | 1.8 | 100 | 0.0275 | 2.20 |
| LS4D28-2R2-RN | 2.2 | 100 | 0.0313 | 2.04 |
| LS4D28-2R7-RN | 2.7 | 100 | 0.0433 | 1.60 |
| LS4D28-3R3-RN | 3.3 | 100 | 0.0492 | 1.57 |
| LS4D28-3R9-RN | 3.9 | 100 | 0.0648 | 1.44 |
| LS4D28-4R7-RN | 4.7 | 100 | 0.0720 | 1.32 |
| LS4D28-5R6-RN | 5.6 | 100 | 0.1009 | 1.17 |
| LS4D28-6R8-RN | 6.8 | 100 | 0.1089 | 1.12 |
| LS4D28-8R2-RN | 8.2 | 100 | 0.1175 | 1.04 |
| LS4D28-100-RN | 10 | 100 | 0.1283 | 1.00 |
| LS4D28-120-RN | 12 | 100 | 0.1316 | 0.84 |
| LS4D28-150-RN | 15 | 100 | 0.1490 | 0.76 |
| LS4D28-180-RN | 18 | 100 | 0.1660 | 0.72 |
| LS4D28-220-RN | 22 | 100 | 0.2350 | 0.70 |
| LS4D28-270-RN | 27 | 100 | 0.2610 | 0.58 |
| LS4D28-330-RN | 33 | 100 | 0.3780 | 0.56 |
| LS4D28-390-RN | 39 | 100 | 0.3837 | 0.50 |
| LS4D28-470-RN | 47 | 100 | 0.5870 | 0.48 |
| LS4D28-560-RN | 56 | 100 | 0.6245 | 0.41 |
| LS4D28-680-RN | 68 | 100 | 0.6990 | 0.35 |
| LS4D28-820-RN | 82 | 100 | 0.9148 | 0.32 |
| LS4D28-101-RN | 100 | 100 | 1.020 | 0.29 |
| LS4D28-121-RN | 120 | 100 | 1.270 | 0.27 |
| LS4D28-151-RN | 150 | 100 | 1.350 | 0.24 |
| LS4D28-181-RN | 180 | 100 | 1.540 | 0.22 |
| LS4D28-221-RN | 220 | 100 | 1.720 | 0.20 |
| LS4D28-271-RN | 270 | 100 | 1.950 | 0.16 |
| LS4D28-331-RN | 330 | 100 | 2.660 | 0.14 |
| LS4D28-391-RN | 390 | 100 | 2.830 | 0.13 |

1. Tested @ 100kHz, 0.1Vrms.
2. Inductance drop = 35% at rated I_{DC} max.
3. Electrical specifications at 25°C.
4. Operating temperature range: -40°C to +85°C.
5. Meets UL 94V-0.
6. Optional Tolerances: 10%(K), 15%(L), and 20%(M).