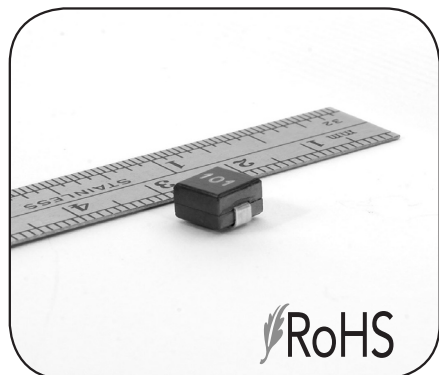
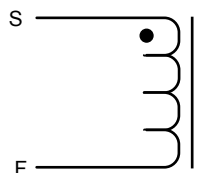
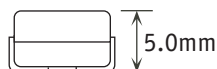
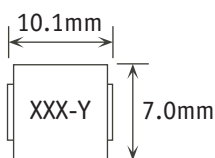
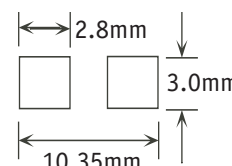


**VRM Inductor****LP02-3 Series****FEATURES**

- Design verified by leading IC manufacturers
 - High saturation current of 72A
 - Designed for frequencies up to 1MHz
 - Suitable for pick and place applications
 - Tighter DCR tolerances available.
- Contact ICE for additional Details

APPLICATIONS

- Voltage Regulator Modules (VRMs)
- High Frequency, High Current Switching Power Supplies
- Synchronous Buck DC/DC Converters

PACKAGING: Reel Diameter: 13", Reel Width: 16mm, Pieces Per Reel: 800**Mechanical****Recommended PCB Layout****Electrical Specifications**

| Part Number | Inductance ¹ (nH, ± 15%) | DCR (mΩ ± 10%) | I _{SAT} ² (A) | I _{dc} ³ (A) |
|---------------|--|-------------------|--------------------------------------|-------------------------------------|
| LP02-900-3 | 90 | 0.35 | 72 | 40 |
| LP02-121-3 | 120 | 0.35 | 52 | 40 |
| LP02-151-3 | 155 | 0.35 | 43 | 40 |
| LP02-181-3 | 180 | 0.35 | 37 | 40 |
| LP02-201-3 | 200 | 0.35 | 32 | 40 |
| LP02-251-3 | 250 | 0.35 | 25 | 40 |
| LP02-281-3 | 280 | 0.35 | 22 | 40 |
| LP02-351-3 | 350 | 0.35 | 16 | 40 |
| LP02-900-3AMG | 90 | 0.5 | 68 | 29 |
| LP02-121-3AMG | 120 | 0.5 | 55 | 29 |
| LP02-151-3AMG | 155 | 0.5 | 43 | 29 |
| LP02-181-3AMG | 180 | 0.5 | 35 | 29 |
| LP02-201-3AMG | 200 | 0.5 | 30 | 29 |
| LP02-251-3AMG | 250 | 0.5 | 21 | 29 |
| LP02-281-3AMG | 280 | 0.5 | 20 | 29 |
| LP02-351-3AMG | 350 | 0.5 | 15 | 29 |

1. Tested @ 1MHz, 0.1Vrms.
2. Inductance drops 15% at rated I_{sat}.
3. DC current that causes a 40°C temperature rise. PCB layout, trace thickness and width, airflow and proximity to other devices will effect the temperature rise.
4. Electrical specifications at 25°C.
5. Operating temperature range: -40°C to +130°C.
6. Meets UL 94V-0.
7. Test equipment used includes HP4194A Impedance Analyzer, GPR-1210 HHD DC Power Supply, and CH502A Ohmmeter.