

**Surface Mount Power Inductors****L032 Series****FEATURES**

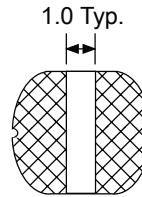
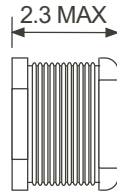
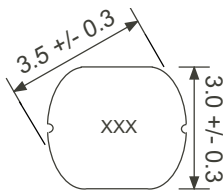
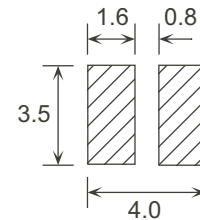
- Will Handle up to 2.20A
- Economical Design
- Suitable for Pick and Place Applications
- Withstands Solder Reflow

**PACKAGING**

- Reel Diameter: 7"
- Reel Width: 8mm
- Pieces Per Reel: 2000

**APPLICATIONS**

- Handheld and PDA Applications
- DC/DC Converters
- SMPS Applications
- Battery Powered or Low Voltage Applications

**Mechanical****Recommend PCB Layout**

unit:mm

**Electrical Specifications**

| Part Number | Inductance <sup>1</sup><br>( $\mu\text{H} \pm 20\%$ ) | DCR max<br>( $\Omega$ ) | $I_{dc}$ max <sup>2</sup><br>(A) |
|-------------|---|-------------------------|----------------------------------|
| L032-1R0-RM | 1.0   | 0.045                   | 2.20                             |
| L032-1R2-RM | 1.2   | 0.050                   | 2.10                             |
| L032-1R5-RM | 1.5   | 0.055                   | 1.70                             |
| L032-1R8-RM | 1.8   | 0.070                   | 1.65                             |
| L032-2R2-RM | 2.2   | 0.085                   | 1.60                             |
| L032-2R7-RM | 2.7   | 0.100                   | 1.40                             |
| L032-3R3-RM | 3.3   | 0.120                   | 1.05                             |
| L032-3R9-RM | 3.9   | 0.125                   | 1.00                             |
| L032-4R7-RM | 4.7   | 0.135                   | 1.00                             |
| L032-5R6-RM | 5.6   | 0.145                   | 0.95                             |
| L032-6R8-RM | 6.8   | 0.200                   | 0.95                             |
| L032-8R2-RM | 8.2   | 0.250                   | 0.92                             |
| L032-100-RM | 10  | 0.320                   | 0.90                             |
| L032-120-RM | 12  | 0.350                   | 0.85                             |
| L032-150-RM | 15  | 0.460                   | 0.75                             |
| L032-180-RM | 18  | 0.520                   | 0.70                             |
| L032-220-RM | 22  | 0.650                   | 0.60                             |
| L032-270-RM | 27  | 0.750                   | 0.55                             |
| L032-330-RM | 33  | 0.920                   | 0.50                             |
| L032-390-RM | 39  | 1.00                    | 0.48                             |
| L032-470-RM | 47  | 1.15                    | 0.45                             |
| L032-560-RM | 56  | 1.50                    | 0.30                             |
| L032-680-RM | 68  | 2.00                    | 0.26                             |
| L032-820-RM | 82  | 2.15                    | 0.23                             |
| L032-101-RM | 100   | 2.50                    | 0.20                             |
| L032-121-RM | 120   | 3.40                    | 0.18                             |
| L032-151-RM | 150   | 4.20                    | 0.16                             |
| L032-181-RM | 180   | 4.50                    | 0.15                             |
| L032-221-RM | 220   | 5.10                    | 0.14                             |
| L032-271-RM | 270   | 8.50                    | 0.10                             |
| L032-331-RM | 330   | 9.50                    | 0.09                             |

1. Tested @ 100kHz, 0.1Vrms.
2. Inductance drops 10% at rated  $I_{dc}$ .
3. Electrical specifications at 25°C.
4. Operating temperature range: -40°C to +85°C.
5. Meets UL 94V-0.