

SMD INDUCTOR DR331-3 SERIES

Features

- Low Profile Surface Mount Design
- Inductance Range from 10 μ H to 1000 μ H
- Operating Temp. -40°C to +85°C
- Tinned Leads with Leaded Solder is Available (note 8)

ELECTRICAL SPECIFICATIONS AT 25°C

| Part No. | Inductance (μ H) $\pm 20\%$ | DCR (Ω) Max. | I rms (A) Max. (Note 3) | I sat (A) Max. (Note 2) | SRF (MHz) REF. |
|-------------|-------------------------------------|--------------------------|----------------------------|----------------------------|-------------------|
| DR331-3-103 | 10 | 0.11 | 2.0 | 2.4 | 35 |
| DR331-3-153 | 15 | 0.15 | 1.5 | 2.0 | 33 |
| DR331-3-223 | 22 | 0.23 | 1.3 | 1.6 | 25 |
| DR331-3-333 | 33 | 0.30 | 1.1 | 1.4 | 19 |
| DR331-3-473 | 47 | 0.39 | 0.8 | 1.0 | 14 |
| DR331-3-683 | 68 | 0.66 | 0.7 | 0.9 | 12 |
| DR331-3-104 | 100 | 0.84 | 0.6 | 0.7 | 10 |
| DR331-3-154 | 150 | 1.20 | 0.5 | 0.6 | 8.0 |
| DR331-3-224 | 220 | 1.90 | 0.4 | 0.5 | 6.0 |
| DR331-3-334 | 330 | 2.70 | 0.3 | 0.4 | 5.0 |
| DR331-3-474 | 470 | 4.00 | 0.2 | 0.3 | 4.0 |
| DR331-3-684 | 680 | 5.30 | 0.1 | 0.2 | 3.0 |
| DR331-3-105 | 1000 | 8.40 | 0.05 | 0.1 | 2.5 |

MECHANICAL SPECIFICATIONS

NOTES:

1. Dimensions are shown in inches/millimeters
Unless otherwise specified, tolerance
= Inches: ± 0.010
= Millimeters: $\pm 0,25$
2. Isat based on the inductance being 90% of its initial value
3. Irms based on temperature rise of 40°C
4. Tape & Reel Packaging, 1000 pcs / reel.
5. Inductance tested at 0.1 Vrms @ 100 kHz
6. Terminal finish is compliant to RoHS requirements
7. Solder in accordance with J-STD-002 Rev. D
8. Non-RoHS series parts 42-331-3-XXX are finished with leaded solder Sn60Pb40 or equivalent

