

Chipsmall Limited consists of a professional team with an average of over 10 year of expertise in the distribution of electronic components. Based in Hongkong, we have already established firm and mutual-benefit business relationships with customers from, Europe, America and south Asia, supplying obsolete and hard-to-find components to meet their specific needs.

With the principle of "Quality Parts, Customers Priority, Honest Operation, and Considerate Service", our business mainly focus on the distribution of electronic components. Line cards we deal with include Microchip, ALPS, ROHM, Xilinx, Pulse, ON, Everlight and Freescale. Main products comprise IC, Modules, Potentiometer, IC Socket, Relay, Connector. Our parts cover such applications as commercial, industrial, and automotives areas.

We are looking forward to setting up business relationship with you and hope to provide you with the best service and solution. Let us make a better world for our industry!



Contact us

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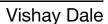
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Address: A1208, Overseas Decoration Building, #122 Zhenhua RD., Futian, Shenzhen, China











High Current, Surface Mount Inductors - Non-Shielded





ELECTRICAL SPECIFICATIONS

Inductance Range: 1.0 µH to 68 µH Inductance Tolerance: 20 %

Operating Temperature: -25 °C to +105 °C Storage Temperature: -40 °C to +125 °C Resistance to Solder Heat: 260 °C for 10 s

| STANDARD ELECTRICAL SPECIFICATIONS | | | |
|------------------------------------|------------------------|----------|--------------------------------|
| INDUCTANCE (µH) | TEST FREQUENCY L | DCR MAX. | RATED DC CURRENT (A) (1) |
| 1.0 | 7.96 MHz | 0.033 | 3.80 |
| 1.4 | 7.96 MHz | 0.038 | 3.30 |
| 1.8 | 7.96 MHz | 0.042 | 2.91 |
| 2.2 | 7.96 MHz | 0.047 | 2.60 |
| 2.7 | 7.96 MHz | 0.052 | 2.43 |
| 3.3 | 7.96 MHz | 0.058 | 2.15 |
| 3.9 | 7.96 MHz | 0.076 | 1.98 |
| 4.7 | 7.96 MHz | 0.094 | 1.70 |
| 5.6 | 7.96 MHz | 0.101 | 1.60 |
| 6.8 | 7.96 MHz | 0.117 | 1.41 |
| 8.2 | 7.96 MHz | 0.132 | 1.26 |
| 10.0 | 2.52 MHz | 0.182 | 1.15 |
| 12.0 | 2.52 MHz | 0.210 | 1.05 |
| 15.0 | 2.52 MHz | 0.235 | 0.92 |
| 18.0 | 2.52 MHz | 0.338 | 0.84 |
| 22.0 | 2.52 MHz | 0.378 | 0.76 |
| 27.0 | 2.52 MHz | 0.522 | 0.71 |
| 33.0 | 2.52 MHz | 0.540 | 0.64 |
| 39.0 | 2.52 MHz | 0.587 | 0.59 |
| 47.0 | 2.52 MHz | 0.844 | 0.54 |
| 56.0 | 2.52 MHz | 0.937 | 0.50 |
| 68.0 | 2.52 MHz | 1.117 | 0.46 |

Note

FEATURES

- High energy storage
- Low resistance
- · Tape and reel packaging for automatic handling
- Material categorization:
 For definitions of compliance please see www.vishay.com/doc?99912

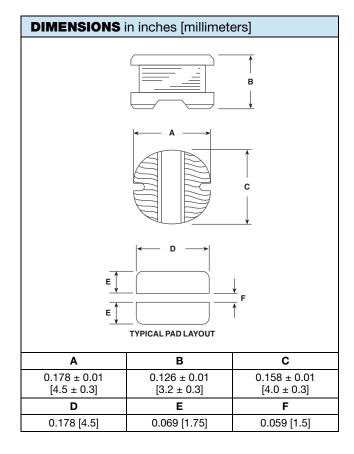


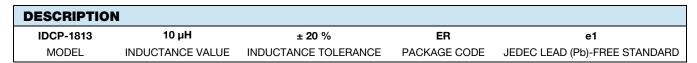
COMPLIANT HALOGEN FREE

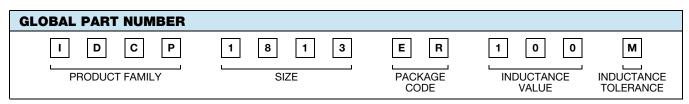
MATERIALS

Core: Ferrite

Wire: Enamelled copper wire **Terminals:** Ag and Sn/Ag/Cu







⁽¹⁾ Rated Current: Value obtained when current flows and the temperature has risen 40 °C or when DC current flows and the initial value of inductance has fallen by 10 %, whichever is smaller.



Legal Disclaimer Notice

Vishay

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