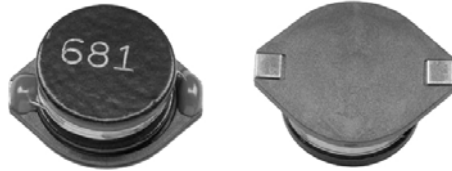


High Current, Surface Mount Inductors



FEATURES

- High energy storage
- Low resistance
- Tape and reel packaging for automatic handling
- Compliant to RoHS Directive 2002/95/EC
- Halogen-free according to IEC 61249-2-21 definition



RoHS
COMPLIANT
HALOGEN
FREE

ELECTRICAL SPECIFICATIONS

Inductance Range: 1.0 μ H to 1000 μ H, tested at 1.0 V_{RMS}
Inductance Tolerance: 20 %, tighter tolerance available upon request
Operating Temperature: - 40 °C to + 125 °C
Resistance to Solder Heat: 260 °C for 10 s

MECHANICAL SPECIFICATIONS

Core: Ferrite
Wire: Enamelled copper wire
Base: LCP
Terminals: Nickel bronze
Adhesive: Epoxy resin

| STANDARD ELECTRICAL SPECIFICATIONS | | | | | |
|------------------------------------|-----------|------------------------|-----------------------|---------------|---------------|
| INDUCTANCE (μ H) | TOLERANCE | TEST FREQUENCY L (kHz) | DCR MAX. (Ω) | I_{SAT} (A) | I_{RMS} (A) |
| 1.0 | ± 20 % | 100 | 0.009 | 20.0 | 8.6 |
| 2.2 | ± 20 % | 100 | 0.014 | 16.0 | 7.1 |
| 3.3 | ± 20 % | 100 | 0.018 | 14.0 | 6.2 |
| 5.6 | ± 20 % | 100 | 0.020 | 12.0 | 5.3 |
| 10 | ± 20 % | 100 | 0.031 | 10.0 | 4.3 |
| 15 | ± 20 % | 100 | 0.036 | 8.0 | 4.0 |
| 22 | ± 20 % | 100 | 0.047 | 7.0 | 3.5 |
| 33 | ± 20 % | 100 | 0.066 | 5.5 | 3.0 |
| 47 | ± 20 % | 100 | 0.086 | 4.5 | 2.6 |
| 68 | ± 20 % | 100 | 0.13 | 3.5 | 2.3 |
| 100 | ± 20 % | 100 | 0.19 | 3.0 | 1.8 |
| 150 | ± 20 % | 100 | 0.25 | 2.6 | 1.5 |
| 220 | ± 20 % | 100 | 0.38 | 2.4 | 1.2 |
| 330 | ± 20 % | 100 | 0.56 | 1.9 | 1.0 |
| 470 | ± 20 % | 100 | 0.85 | 1.4 | 0.82 |
| 680 | ± 20 % | 100 | 1.1 | 1.2 | 0.72 |
| 1000 | ± 20 % | 100 | 1.8 | 1.0 | 0.56 |

Notes

- Inductance drop = 10 % typ. at I_{SAT}
- $\Delta T = 40$ °C typ. at I_{RMS}

| DIMENSIONS in inches [millimeters] | | | | | | | | |
|------------------------------------|---------------|--------------|--------------|--------------|---------------|--------------|---------------|--------------|
| | | | | | | | | |
| A (Max.) | B (Max.) | D (Max.) | E | F | G | H | I | J |
| 0.730 [18.54] | 0.600 [15.24] | 0.280 [7.11] | 0.100 [2.54] | 0.100 [2.54] | 0.500 [12.70] | 0.115 [2.92] | 0.490 [12.45] | 0.110 [2.79] |

| DESCRIPTION | | | | |
|-----------------|-----------------------------|----------------------|--------------|-------------------------------|
| IDC-7328 | 10 μH | ± 20 % | ER | e3 |
| MODEL | INDUCTANCE VALUE | INDUCTANCE TOLERANCE | PACKAGE CODE | JEDEC LEAD (Pb)-FREE STANDARD |

| GLOBAL PART NUMBER | | | | | | | | | | | | |
|--------------------|---|---|------|---|---|---|--------------|---|------------------|---|---|------|
| I | D | C | 7 | 3 | 2 | 8 | E | R | 1 | 0 | 0 | M |
| PRODUCT FAMILY | | | SIZE | | | | PACKAGE CODE | | INDUCTANCE VALUE | | | TOL. |



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Наши преимущества:

- Поставка оригинальных импортных электронных компонентов напрямую с производств Америки, Европы и Азии, а так же с крупнейших складов мира;
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- Поставка сложных, дефицитных, либо снятых с производства позиций;
- Оперативные сроки поставки под заказ (от 5 рабочих дней);
- Экспресс доставка в любую точку России;
- Помощь Конструкторского Отдела и консультации квалифицированных инженеров;
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- Система менеджмента качества сертифицирована по Международному стандарту ISO 9001;
- При необходимости вся продукция военного и аэрокосмического назначения проходит испытания и сертификацию в лаборатории (по согласованию с заказчиком);
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JONHON

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«FORSTAR» (основан в 1998 г.)

ВЧ соединители, коаксиальные кабели, кабельные сборки и микроволновые компоненты:

(Применяются в телекоммуникациях гражданского и специального назначения, в средствах связи, РЛС, а так же военной, авиационной и аэрокосмической отраслях промышленности).



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