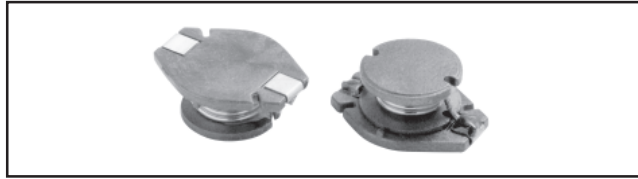


Inductors

High Current, Surface Mount



FEATURES

- High energy storage.
- Low resistance.
- Tape and reel packaging for automatic handling.

ELECTRICAL SPECIFICATIONS

Inductance Range: 1.0 μ H to 1000 μ H, tested at 0.1 Vrms.

Inductance Tolerance: 20%.

Operating Temperature: - 20°C to + 80°C.

Storage Temperature: - 25°C to + 85°C.

Resistance to Solder Heat: 260°C for 10 seconds.

MATERIALS

Core: Ferrite.

Wire: Enamelled copper wire.

Base: LCP.

Terminal: Nickel bronze.

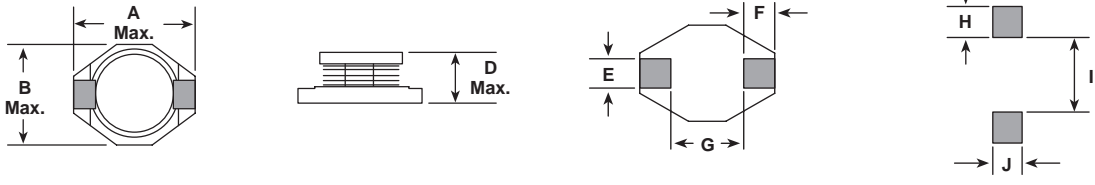
Adhesive: Epoxy resin.

STANDARD ELECTRICAL SPECIFICATIONS

INDUCTANCE (μ H)	TOLERANCE	TEST FREQUENCY L (KHz)	DCR MAXIMUM (Ohms)	INCREMENTAL CURRENT (A)	RATED DC CURRENT (A)*
1.0	$\pm 20\%$	100	0.05	2.90	2.9
1.5	$\pm 20\%$	100	0.05	2.60	2.8
2.2	$\pm 20\%$	100	0.07	2.30	2.4
3.3	$\pm 20\%$	100	0.08	2.00	2.0
4.7	$\pm 20\%$	100	0.09	1.50	1.5
6.8	$\pm 20\%$	100	0.13	1.20	1.4
10	$\pm 20\%$	100	0.16	1.10	1.1
15	$\pm 20\%$	100	0.23	0.90	1.2
22	$\pm 20\%$	100	0.37	0.70	0.8
33	$\pm 20\%$	100	0.51	0.58	0.6
47	$\pm 20\%$	100	0.64	0.50	0.5
68	$\pm 20\%$	100	0.86	0.40	0.4
100	$\pm 20\%$	100	1.27	0.31	0.3
150	$\pm 20\%$	100	2.00	0.27	0.25
220	$\pm 20\%$	100	2.65	0.22	0.2
330	$\pm 20\%$	100	3.80	0.18	0.16
470	$\pm 20\%$	100	5.06	0.16	0.15
680	$\pm 20\%$	100	9.20	0.14	0.12
1000	$\pm 20\%$	100	13.8	0.10	0.07

*40°C temperature rise.

DIMENSIONAL CONFIGURATIONS [Numbers in brackets indicate millimeters]

								
A (Max.)	B (Max.)	D (Max.)	E	F	G	H	I	J
0.260 [6.60]	0.177 [4.50]	0.115 [2.92]	0.050 [1.27]	0.040 [1.02]	0.170 [4.32]	0.055 [1.40]	0.160 [4.06]	0.140 [3.56]

HOW TO ORDER

IDC-2512 MODEL	10 μ H INDUCTANCE VALUE	$\pm 20\%$ INDUCTANCE TOLERANCE
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