

Vishay Dale

High Current, Surface Mount Inductors





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

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



COMPLIANT HALOGEN

MECHANICAL SPECIFICATIONS

Core: Ferrite

Wire: Enamelled copper wire

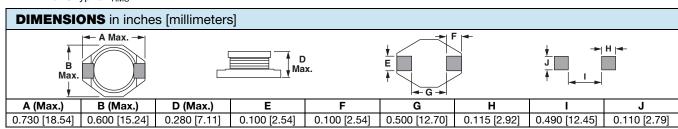
Base: LCP

Terminals: Nickel bronze **Adhesive:** Epoxy resin

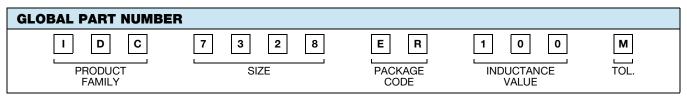
INDUCTANCE (µH)	TOLERANCE	TEST FREQUENCY L (kHz)	DCR MAX. (Ω)	I _{SAT} (A)	I _{RMS} (A)
1.0	± 20 %	100	0.009	20.0	8.6
2.2	± 20 %	100	0.014	16.0	7.1
3.3	± 20 %	100	0.018	14.0	6.2
5.6	± 20 %	100	0.020	12.0	5.3
10	± 20 %	100	0.031	10.0	4.3
15	± 20 %	100	0.036	8.0	4.0
22	± 20 %	100	0.047	7.0	3.5
33	± 20 %	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}
- ΔT = 40 °C typ. at I_{RMS}



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





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Vishay

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