IDCS-7328



Vishay Dale

RoHS

COMPLIANT

High Current, Surface Mount Inductors - Shielded



ELECTRICAL SPECIFICATIONS

Inductance Range: 10 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
- Magnetically shielded
- Tape and reel packaging for automatic handling
- Material categorization:
 For definitions of compliance please see
 <u>FREE</u>
 <u>www.vishay.com/doc?99912</u>

MECHANICAL SPECIFICATIONS

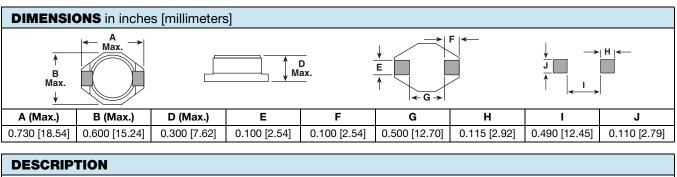
Core: Ferrite Wire: Enamelled copper wire Base: LCP Terminals: Nickel bronze Adhesive: Epoxy resin

INDUCTANCE (µH)	TOLERANCE	TEST FREQUENCY L (kHz)	DCR MAX. (Ω)	I _{SAT} (A)	I _{RMS} (A)
10	± 20 %	100	0.040	8.0	3.9
15	± 20 %	100	0.048	7.0	3.4
22	± 20 %	100	0.059	6.0	3.1
33	± 20 %	100	0.075	5.0	2.8
47	± 20 %	100	0.097	4.0	2.4
68	± 20 %	100	0.138	3.0	2.0
100	± 20 %	100	0.207	2.4	1.7
150	± 20 %	100	0.293	2.1	1.3
220	± 20 %	100	0.47	1.9	1.1
330	± 20 %	100	0.78	1.1	0.86
470	± 20 %	100	1.08	1.1	0.73
680	± 20 %	100	1.40	0.96	0.64
1000	± 20 %	100	2.01	0.80	0.53

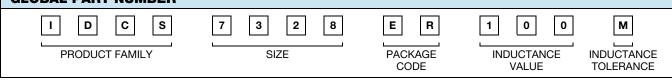
Notes

Inductance drop = 10 % typ. at I_{SAT}

• $\Delta T = 40 \text{ °C typ. at } I_{RMS}$



IDCS-7328	10 µH	± 20 %	ER	e3			
MODEL	INDUCTANCE VALUE	INDUCTANCE TOLERANCE	PACKAGE CODE	JEDEC LEAD (Pb)-FREE STANDARD			
GLOBAL PART NUMBER							



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1 For technical questions, contact: <u>magnetics@vishay.com</u> Document Number: 34011

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