IDCS-7328



Vishay Dale

High Current, Surface Mount Inductors - Shielded



ELECTRICAL SPECIFICATIONS

Inductance Range: 10 µH to 1000 µH, tested at 0.1 V_{BMS} 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: HALOGEN for definitions of compliance please see <u>www.vishay.com/doc?99912</u> FREE

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}

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

DIMENSIONS in inches [millimeters]												
A Max. B Max.			D Max.		$ \begin{array}{c} \downarrow \\ E \\ \uparrow \\ \downarrow \\ \leftarrow G \\ \hline \end{array} $							
A (Max.)	B (Max.)	D (Max.)	E	F	G	н	I	J				
0.730 [18.54]	0.600 [15.24]	0.300 [7.62]	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												
IDCS-7328 MODEL		10 μΗ ANCE VALUE		0 % E TOLERANCE	ER PACKAGE C	CODE JEDEC	e3 ® LEAD (Pb)-FR	EE STANDARD				
GLOBAL PART NUMBER												
I PR	D C	S 7	32 SIZE	8	E R PACKAGE CODE							

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RoHS

COMPLIANT



Vishay

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