



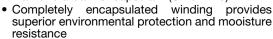
High Current, Surface Mount Inductors



STANDARD ELECTRICAL SPECIFICATIONS						
		RATED CURRENT	INCREMENTAL			
1 kHz (µH)		MAX. (A)	CURRENT APPROX. (A)			
1.0	0.011	9.0	5.3			
1.2	0.012	8.8	4.8			
1.5	0.012	8.6	4.4			
1.8	0.013	8.5	4.0			
2.2 2.7	0.014	8.4 8.2	3.6			
2.7	0.016		3.2			
3.3	0.017	8.1	2.8			
3.9	0.02 0.023	7.3 6.7	2.6 2.4			
4.7 5.6	0.025	6.0	2.4			
6.8 8.2	0.028 0.032	5.6 5.3	2.1 1.9			
10.0	0.032	5.0	1.7			
12.0	0.036	4.8	1.5			
15.0	0.04	4.5	1.5			
18.0	0.043	4.2	1.3			
22.0	0.047	3.8	1.3			
27.0	0.034	3.4	1.1			
33.0	0.074	3.0	0.99			
39.0	0.004	2.8	0.93			
47.0	0.093	2.6	0.93			
56.0	0.12	2.4	0.82			
68.0	0.14	2.1	0.76			
82.0	0.184	1.9	0.72			
100.0	0.226	1.7	0.68			
120.0	0.305	1.5	0.61			
150.0	0.362	1.4	0.54			
180.0	0.399	1.3	0.48			
220.0	0.536	1.1	0.44			
270.0	0.599	0.95	0.4			
330.0	0.714	0.86	0.36			
390.0	0.819	0.8	0.33			
470.0	1.1	0.74	0.31			
560.0	1.2	0.68	0.29			
680.0	1.58	0.63	0.26			
820.0	2.08	0.573	0.23			
1000.0	2.42	0.51	0.21			
1200.0	2.68	0.46	0.19			
1500.0	3.15	0.4	0.17			
1800.0	4.2	0.34	0.15			
2200.0	4.62	0.31	0.135			
2700.0	6.3	0.29	0.12			
3300.0	7.09	0.27	0.11			
3900.0	9.14	0.25	0.1			
4700.0	10.6	0.23	0.09			
5600.0	11.8	0.21	0.08			
6800.0	15.8	0.19	0.0775			
8200.0	21.8	0.17	0.0725			
10 000.0	24.6	0.16	0.07			
12 000.0	28.4	0.14	0.0625			
15 000.0	37.8	0.12	0.055			
18 000.0	44.1	0.11	0.05			

FEATURES

• Flame retardant encapsulant (UL 94 V-0)





RoHS

- High current unit in surface mount package compliant printed with model, inductance value and date code
- code

 Compatible with infrared or conventional reflow soldering
- methods
- Pick and place compatible
- Compliant to RoHS directive 2002/95/EC

APPLICATIONS

Excellent power line noise filters, filters for switching regulated power supplies, DC/DC converters, SCR and triac controls and RFI suppression.

ELECTRICAL SPECIFICATIONS

Inductance: Measured at 1 V with no DC current

Inductance Tolerance: ± 15 %

Incremental Current: The typical current at which the inductance will be decreased by 5 % from its initial zero DC value

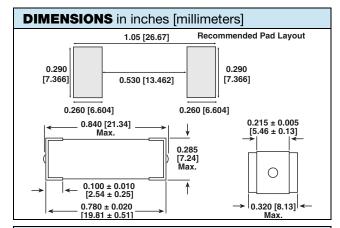
Operating Temperature: - 55 °C to + 125 °C (no load); - 55 °C to + 85 °C (at full rated current)

MECHANICAL SPECIFICATIONS

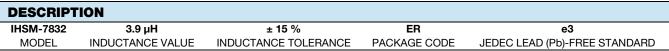
Core: High resistivity ferrite core

Encapsulant: Epoxy

Terminals: 100 % Sn over Ni



PART MARKING - Model - Inductance value - Date code



			. ,	
GLOBAL PART NUMBER				
I H S M	7 8 3 2	E R	3 R 9	L
PRODUCT FAMILY	SIZE	PACKAGE CODE	INDUCTANCE VALUE	TOL.



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Vishay

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Revision: 02-Oct-12 Document Number: 91000

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