# Vishay Dale



## Filter Inductors, High Current, Radial Leaded



#### **ELECTRICAL SPECIFICATIONS**

Inductance: Measured at 1.0 V with no DC current

Current Rating: Maximum continuous operating current

based on 50 °C temperature rise

Dielectric Rating: 1500 V<sub>RMS</sub> between windings and top of

component

Operating Temperature: - 55 °C to + 125 °C (no load),

- 55 °C to + 75 °C (at full rated current)

#### **FEATURES**

· Totally encapsulated using a potted flameresistant shell



Printed circuit mounting

• Compliant to RoHS Directive 2002/95/EC



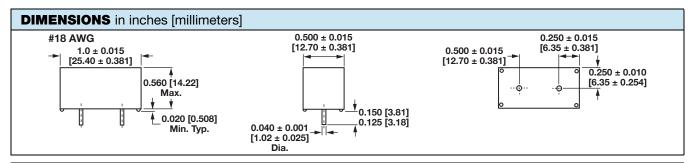
RoHS COMPLIANT

### **MECHANICAL SPECIFICATIONS**

Terminals: 18 AWG tinned copper

Core Material: Ferrite

Encapsulant: Flame-resistant shell potted with epoxy



ND. AT 1 kHz (µH)	TOL. (%)	DCR MAX. (Ω)	RATED DC CURRENT (mA)	
1.0	± 10	0.005	17 800	
1.2	± 10	0.005	17 000	
1.5	± 10	0.006	16 200	
1.8	± 10	0.006	15 600	
2.2	± 10	0.007	15 000	
2.7	± 10	0.008	14 500	
3.3	± 10	0.008	14 000	
3.9	± 10	0.009	13 500	
4.7	± 10	0.010	13 000	
5.6	± 10	0.011	12 750	
6.8	± 10	0.012	12 500	
8.2	± 10	0.013	11 250	
10.0	± 10	0.014	10 000	
12.0	± 10	0.016	9250	
15.0	± 10	0.022	8500	
18.0	± 10	0.024	7500	
22.0	± 10	0.033	6500	
27.0	± 10	0.037	6000	
33.0	± 10	0.051	5500	
39.0	± 10	0.056	5000	
47.0	± 10	0.076	4500	
56.0	± 10	0.084	4250	
68.0	± 10	0.093	4000	
82.0	± 10	0.103	3650	
100.0	± 10	0.140	3300	
120.0	± 10	0.175	3000	
150.0	± 10	0.210	2700	
180.0	± 10	0.241	2450	
220.0	± 10	0.330	2200	
270.0	± 10	0.420	1950	
330.0	± 10	0.510	1700	
390.0	± 10	0.561	1650	
470.0	± 10	0.610	1600	
560.0	± 10	0.687	1450	
680.0	± 10	0.910	1300	
820.0	± 10	1.030	1150	

Document Number: 34017 Revision: 04-Feb-11

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ANDARD ELECTRICAL SPECIFICATIONS					
IND. AT 1 kHz (µH)	TOL. (%)	DCR MAX. (Ω)	RATED DC CURRENT (mA)		
1000.0	± 10	1.400	1000		
1200.0	± 10	1.570	920		
1500.0	± 10	2.200	840		
1800.0	± 10	2.420	770		
2200.0	± 10	3.300	690		
2700.0	± 10	3.720	620		
3300.0	± 10	5.100	550		
3900.0	± 10	5.580	500		
4700.0	± 10	7.700	450		
5600.0	± 10	8.320	410		
6800.0	± 10	11.700	360		
8200.0	± 10	12.800	350		
10 000.0	± 10	14.200	330		
12 000.0	± 10	15.700	300		
15 000.0	± 10	21.900	260		

### **MARKING**

- Vishay Dale
- Model
- Value
- Date code

ORDERING INFORMATION							
IHM-2	10 μΗ	± 10 %	EB	E3			
MODEL	INDUCTANCE VALUE	INDUCTANCE TOLERANCE	PACKAGE CODE	JEDEC LEAD (Pb)-FREE STANDARD			

GLOBAL PART NUMBER			
I H M 2	PACKAGE CODE	1 0 0 INDUCTANCE VALUE	INDUCTANCE TOLERANCE



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Vishay

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