



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_{RMS} between windings and top of

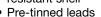
component

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



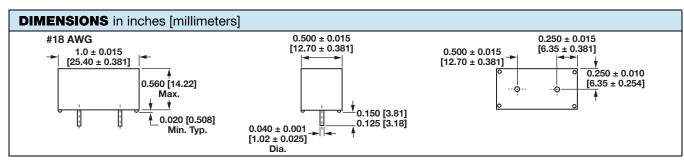
ROHS

MECHANICAL SPECIFICATIONS

Terminals: 18 AWG tinned copper

Core Material: Ferrite

Encapsulant: Flame-resistant shell potted with epoxy



STANDARD ELECTRICAL SPECIFICATIONS						
IND. 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			

Vishay Dale

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STANDARD 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 MODEL	PACKAGE CODE	1 0 0 INDUCTANCE VALUE	INDUCTANCE TOLERANCE



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Vishay

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