

RoHS

COMPLIANT

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_{RMS} between windings and top of component

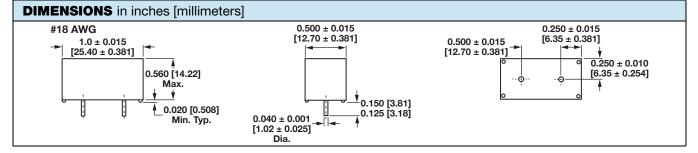
Operating Temperature: - 55 °C to + 125 °C (no load), - 55 °C to + 75 °C (at full rated current)

FEATURES

- Totally encapsulated using a potted flameresistant shell
- Pre-tinned leads
- Printed circuit mounting
- Compliant to RoHS Directive 2002/95/EC

MECHANICAL SPECIFICATIONS

Terminals: 18 AWG tinned copper Core Material: Ferrite Encapsulant: Flame-resistant shell potted with epoxy



STANDARD ELECTRICAL SPECIFICATIONS

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	

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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 µH	± 10 %	EB	E3
MODEL	INDUCTANCE VALUE	INDUCTANCE TOLERANCE	PACKAGE CODE	JEDEC LEAD (Pb)-FREE STANDARD

GLOBAL PART NUMBER			
I H M 2 MODEL	E B PACKAGE CODE	1 0 0 INDUCTANCE VALUE	K INDUCTANCE TOLERANCE



Vishay

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