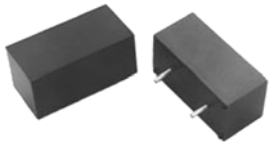
Filter Inductors, High Current, Radial Leaded



FEATURES

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

Pb-free

RoHS COMPLIANT

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)

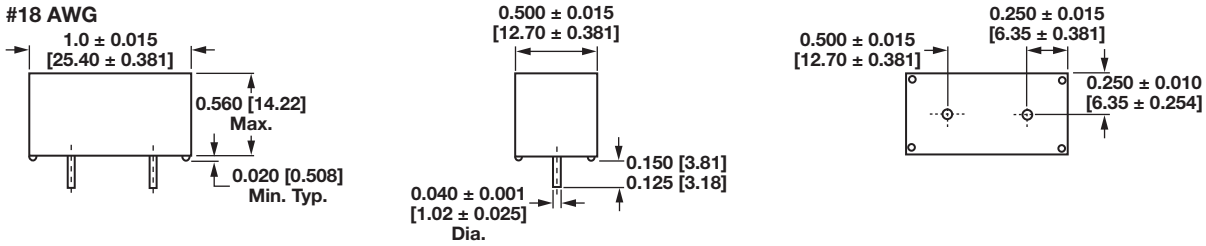
MECHANICAL SPECIFICATIONS

Terminals: 18 AWG tinned copper

Core Material: Ferrite

Encapsulant: Flame-resistant shell potted with epoxy

DIMENSIONS in inches [millimeters]



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

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

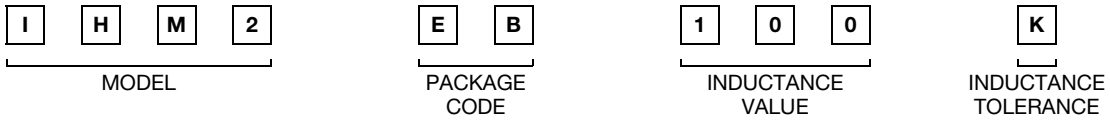
MARKING

- 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



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