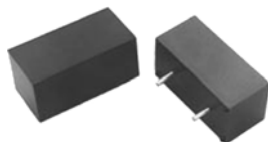


## Filter Inductors, High Current, Radial Leded



### 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 flame-resistant shell
- Pre-tinned leads
- Printed circuit mounting
- Compliant to RoHS Directive 2002/95/EC



**RoHS**  
COMPLIANT

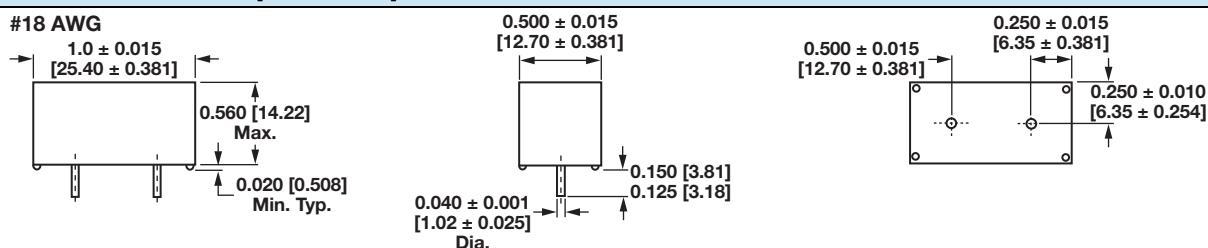
### MECHANICAL SPECIFICATIONS

**Terminals:** 18 AWG tinned copper

**Core Material:** Ferrite

**Encapsulant:** Flame-resistant shell potted with epoxy

### 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 ( $\mu$ H)	TOL. (%)	DCR MAX. ( $\Omega$ )	RATED DC CURRENT (mA)
1000.0	$\pm 10$	1.400	1000
1200.0	$\pm 10$	1.570	920
1500.0	$\pm 10$	2.200	840
1800.0	$\pm 10$	2.420	770
2200.0	$\pm 10$	3.300	690
2700.0	$\pm 10$	3.720	620
3300.0	$\pm 10$	5.100	550
3900.0	$\pm 10$	5.580	500
4700.0	$\pm 10$	7.700	450
5600.0	$\pm 10$	8.320	410
6800.0	$\pm 10$	11.700	360
8200.0	$\pm 10$	12.800	350
10 000.0	$\pm 10$	14.200	330
12 000.0	$\pm 10$	15.700	300
15 000.0	$\pm 10$	21.900	260

**MARKING**

- Vishay Dale
- Model
- Value
- Date code

**ORDERING INFORMATION**

IHM-2	10 $\mu$ H	$\pm 10$ %	EB	E3
MODEL	INDUCTANCE VALUE	INDUCTANCE TOLERANCE	PACKAGE CODE	JEDEC LEAD (Pb)-FREE STANDARD

**GLOBAL PART NUMBER**

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



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