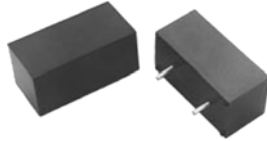


Filter Inductors, High Current, Radial Leaded



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



RoHS
COMPLIANT

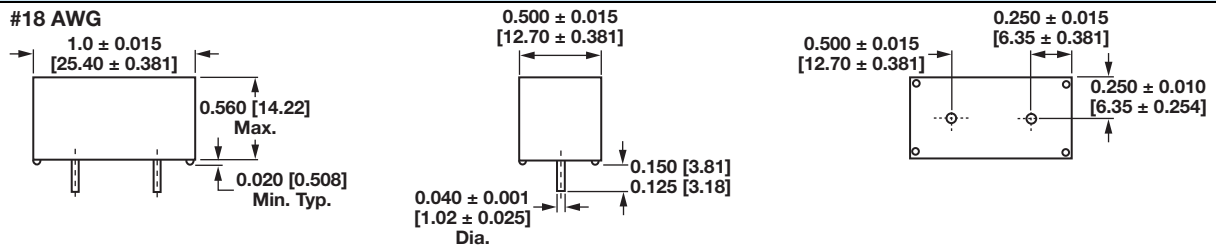
MECHANICAL SPECIFICATIONS

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 (μ H)	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
<ul style="list-style-type: none"> - 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													
<table border="1" style="margin: auto;"> <tr><td>I</td><td>H</td><td>M</td><td>2</td></tr> </table> <p>MODEL</p>	I	H	M	2	<table border="1" style="margin: auto;"> <tr><td>E</td><td>B</td></tr> </table> <p>PACKAGE CODE</p>	E	B	<table border="1" style="margin: auto;"> <tr><td>1</td><td>0</td><td>0</td></tr> </table> <p>INDUCTANCE VALUE</p>	1	0	0	<table border="1" style="margin: auto;"> <tr><td>K</td></tr> </table> <p>INDUCTANCE TOLERANCE</p>	K
I	H	M	2										
E	B												
1	0	0											
K													



Disclaimer

ALL PRODUCT, PRODUCT SPECIFICATIONS AND DATA ARE SUBJECT TO CHANGE WITHOUT NOTICE TO IMPROVE RELIABILITY, FUNCTION OR DESIGN OR OTHERWISE.

Vishay Intertechnology, Inc., its affiliates, agents, and employees, and all persons acting on its or their behalf (collectively, "Vishay"), disclaim any and all liability for any errors, inaccuracies or incompleteness contained in any datasheet or in any other disclosure relating to any product.

Vishay makes no warranty, representation or guarantee regarding the suitability of the products for any particular purpose or the continuing production of any product. To the maximum extent permitted by applicable law, Vishay disclaims (i) any and all liability arising out of the application or use of any product, (ii) any and all liability, including without limitation special, consequential or incidental damages, and (iii) any and all implied warranties, including warranties of fitness for particular purpose, non-infringement and merchantability.

Statements regarding the suitability of products for certain types of applications are based on Vishay's knowledge of typical requirements that are often placed on Vishay products in generic applications. Such statements are not binding statements about the suitability of products for a particular application. It is the customer's responsibility to validate that a particular product with the properties described in the product specification is suitable for use in a particular application. Parameters provided in datasheets and / or specifications may vary in different applications and performance may vary over time. All operating parameters, including typical parameters, must be validated for each customer application by the customer's technical experts. Product specifications do not expand or otherwise modify Vishay's terms and conditions of purchase, including but not limited to the warranty expressed therein.

Hyperlinks included in this datasheet may direct users to third-party websites. These links are provided as a convenience and for informational purposes only. Inclusion of these hyperlinks does not constitute an endorsement or an approval by Vishay of any of the products, services or opinions of the corporation, organization or individual associated with the third-party website. Vishay disclaims any and all liability and bears no responsibility for the accuracy, legality or content of the third-party website or for that of subsequent links.

Except as expressly indicated in writing, Vishay products are not designed for use in medical, life-saving, or life-sustaining applications or for any other application in which the failure of the Vishay product could result in personal injury or death. Customers using or selling Vishay products not expressly indicated for use in such applications do so at their own risk. Please contact authorized Vishay personnel to obtain written terms and conditions regarding products designed for such applications.

No license, express or implied, by estoppel or otherwise, to any intellectual property rights is granted by this document or by any conduct of Vishay. Product names and markings noted herein may be trademarks of their respective owners.