

www.vishay.com

High Frequency, Surface-Mount Molded Inductors

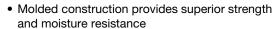




STANDARD ELECTRICAL SPECIFICATIONS						
IND. (µH)	TOL.	TEST FREQ. (MHz) L & Q	Q MIN.	SRF MIN. (MHz)	DCR MAX. (Ω)	RATED DC CURRENT (mA) (1)
1.0 1.2 1.5 1.8 2.2 2.7 3.3 3.9 4.7 5.6 6.8 8.2 10 12 15 18 22 7 33 39 47 56 68 82 100 120 150 180 227 330 390 470 560 680 820 1200 1200 1200 1200 1200 1200 120	100%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%	7.96 7.96 7.96 7.96 7.96 7.96 7.96 7.96	10 10 10 10 10 10 10 10 10 10 10 10 10 1	95 705 42 33 32 22 19 11 10 10 10 10 10 10 10 10 10 10 10 10	0.030 0.035 0.040 0.050 0.060 0.070 0.080 0.150 0.150 0.300 0.300 0.300 0.520 0.720 0.850 1.20 1.40 1.40 1.90 2.20 2.80 3.40 4.20 4.90 5.80 10.0 15.0 17.0 20.0 17.0 20.0 17.0 20.0 17.0 20.0 17.0 20.0 17.0 20.0 17.0 17.0 20.0 17.0 17.0 20.0 17.0 20.0 17.0 17.0 20.0 17.	1800 1700 1600 1400 1300 11200 1120 1050 950 880 8750 690 630 580 580 480 440 370 290 270 250 230 210 190 170 155 140 130 110 100 90 85 75 45 40 40 40 40 40 40 40 40 40 40 40 40 40

Note

FEATURES





 Compatible with vapor phase infrared and wave soldering methods (100 % tin plating)

FREE

RoHS **HALOGEN**

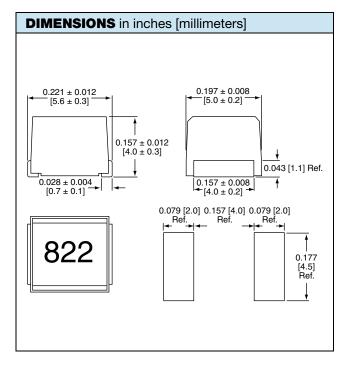
· Material categorization: for definitions of compliance please see www.vishav.com/doc?99912

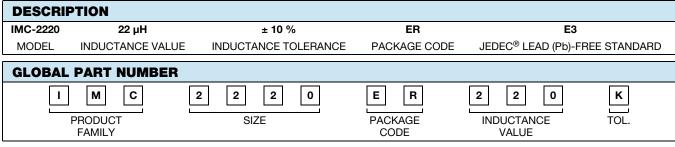
ELECTRICAL SPECIFICATIONS

Inductance Range: 1.0 µH to 10 000 µH Inductance and Tolerance: \pm 10 %, \pm 5 % Operating Temperature: -40 °C to +125 °C Storage Temperature: -40 °C to +125 °C

TEST EQUIPMENT

- Inductance and Q measured on HP4191
- SRF measured on HP3755
- DCR measured on HP34401





⁽¹⁾ Rated DC current based on the maximum temperature rise, not to exceed 40 °C at +85 °C ambient



Legal Disclaimer Notice

Vishay

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.