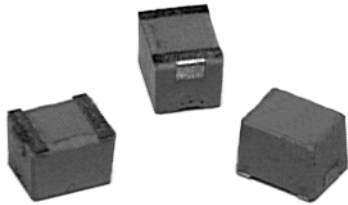


Wirewound, Surface-Mount Molded Inductors



STANDARD ELECTRICAL SPECIFICATIONS					
IND. (μH)	TEST FREQ. (MHz)	Q MIN.	SRF MIN. (MHz) ⁽¹⁾	DCR MAX. (Ω)	RATED DC CURRENT (mA)
	L & Q				
0.010	100	15	2500	0.13	734
0.012	100	17	2300	0.14	707
0.015	100	19	2100	0.16	661
0.018	100	21	1900	0.18	624
0.022	100	23	1700	0.20	592
0.027	100	23	1500	0.22	564
0.033	100	25	1400	0.24	540
0.039	100	25	1300	0.27	530
0.047	100	26	1200	0.30	483
0.056	100	26	1100	0.33	470
0.068	100	27	1000	0.36	450
0.082	100	27	900	0.40	450
0.10	100	28	700	0.44	450

Note

⁽¹⁾ All SRF values above 1000 MHz are typical minimums

PART MARKING
- Vishay Dale
- Inductance code
- Date code

FEATURES

- Printed marking
- Molded construction provides superior strength and moisture resistance
- Compatible with vapor phase and infrared reflow soldering
- Tape and reel packaging for automatic handling, 2000/reel, EIA-481
- Material categorization: for definitions of compliance please see www.vishay.com/doc?99912



RoHS
COMPLIANT

ELECTRICAL SPECIFICATIONS

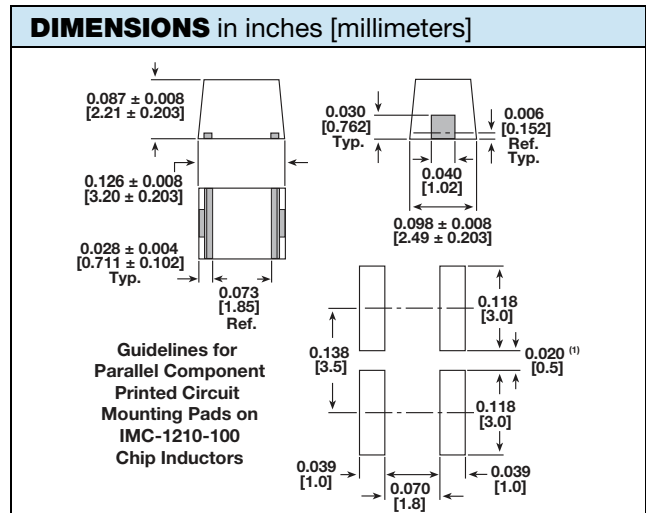
Inductance and tolerance: ± 20 % for 0.010 μH to 0.100 μH standard; ± 10 % for 0.010 μH to 0.100 μH ± 5 % for 0.027 μH to 0.100 μH optional

Operating temperature: -55 °C to +125 °C

Core material: non-magnetic from 0.010 μH to 0.100 μH

TEST EQUIPMENT

- L, Q, SRF: HP4191A RF impedance analyzer
- DCR: Wheatstone bridge or equivalent



Note

⁽¹⁾ Recommended spacing between components

DESCRIPTION				
IMC-1210-100	0.010 μH	± 20 %	ER	e3
MODEL	INDUCTANCE VALUE	INDUCTANCE TOLERANCE	PACKAGE CODE	JEDEC® LEAD (Pb)-FREE STANDARD

GLOBAL PART NUMBER															
I	M	C	1	2	1	0	E	R	1	0	N	K	1	0	0
PRODUCT FAMILY			SIZE			PACKAGE CODE		INDUCTANCE VALUE			TOL.	SERIES			



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.