

MECHANICAL SPECIFICATIONS

(2.2 lbs), 1812: 1.5 kg (3.3 lbs) for 30 s

Z ± 25 % AT 100 MHz

(Ω)

31

60

90

80

100

150

70

120

preheat and flux per above

1812: 2.5 kg (5.5 lbs)

PART NUMBER

ILBB-1210

ILBB-1806

ILBB-1812

Solderability: 90 % coverage after 5 s dip in 235 °C solder

following 60 s preheat at 120 °C to 150 °C and type R flux dip

Resistance to Solder Heat: 10 s in 260 °C solder, after

Terminal Strength: 1210: 1.0 kg (2.2 lbs), 1806: 1.0 kg

Beam Strength: 1210: 2.5 kg (5.5 lbs), 1806: 2.5 kg (5.5 lbs),

STANDARD ELECTRICAL SPECIFICATIONS

DCR MAX.

(Ω)

0.30

0.30

0.30

0.30

0.30

0.50

0.40

0.40

ILBB-1210, ILBB-1806, ILBB-1812

Vishay Dale

RoHS

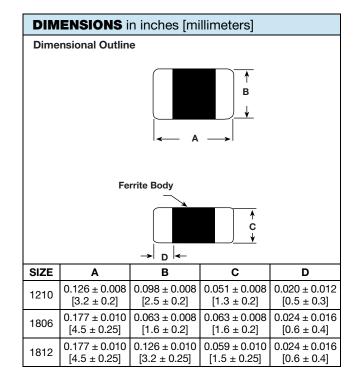
Multilayer Ferrite Beads

FEATURES

- High reliability
- Surface mountable (multiple case sizes)
- Magnetically self shielded
- COMPLIANT Nickel barrier plating virtually eliminates silver HALOGEN migration FREE
- Compliant to RoHS Directive 2011/65/EU
- Halogen-free according to IEC 61249-2-21 definition

ENVIRONMENTAL SPECIFICATIONS

Operating Temperature: - 55 °C to + 125 °C Thermal Shock: 300 cycles, - 40 °C to + 125 °C Biased Humidity: 85 % RH at 85 °C, 1000 h at full rated current



DESCRIPTION					
ILBB	1806	80	± 25 %	ER	e3
MODEL	SIZE	IMPEDANCE VALUE	IMPEDANCE TOLERANCE	PACKAGE CODE	JEDEC LEAD (Pb)-FREE STANDARD

RATED

DCCURRENT

(mA)

400

400

400

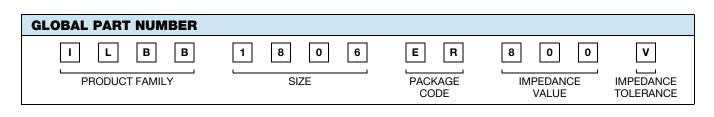
400

300

200

200

200



Revision: 23-Feb-12

1 For technical questions, contact: magnetics@vishay.com Document Number: 34101

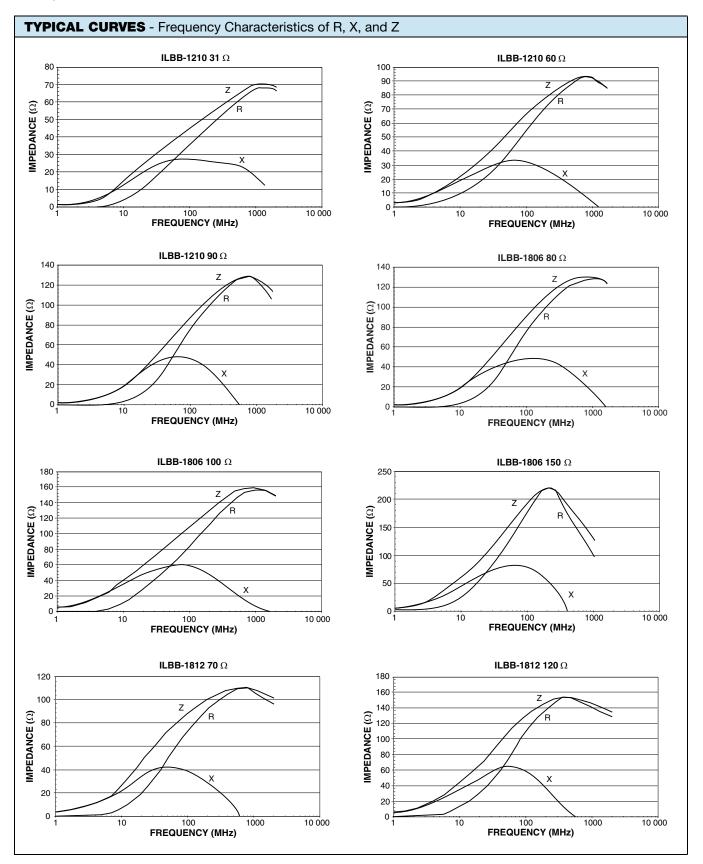
THIS DOCUMENT IS SUBJECT TO CHANGE WITHOUT NOTICE. THE PRODUCTS DESCRIBED HEREIN AND THIS DOCUMENT

ARE SUBJECT TO SPECIFIC DISCLAIMERS, SET FORTH AT www.vishay.com/doc?91000



ILBB-1210, ILBB-1806, ILBB-1812

Vishay Dale



Revision: 23-Feb-12

2 For technical questions, contact: <u>magnetics@vishay.com</u> Document Number: 34101

THIS DOCUMENT IS SUBJECT TO CHANGE WITHOUT NOTICE. THE PRODUCTS DESCRIBED HEREIN AND THIS DOCUMENT ARE SUBJECT TO SPECIFIC DISCLAIMERS, SET FORTH AT <u>www.vishay.com/doc?91000</u>



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.

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.