

EIA-60938-2-2

EIA STANDARD



ANSI/EIA-60938-2-2-2014
Approved: July 28, 2014

Fixed Inductors for Electromagnetic Interference Suppression – Part 2-2: Blank Detail Specification – Inductors for Which Safety Tests Are Required (Only)

EIA-60938-2-2
(IEC 60938-2-2:1999, IDT)

July 2014



NOTICE

EIA Engineering Standards and Publications are designed to serve the public interest through eliminating misunderstandings between manufacturers and purchasers, facilitating interchangeability and improvement of products, and assisting the purchaser in selecting and obtaining with minimum delay the proper product for his particular need. Existence of such Standards and Publications shall not in any respect preclude any member or nonmember of ECIA from manufacturing or selling products not conforming to such Standards and Publications, nor shall the existence of such Standards and Publications preclude their voluntary use by those other than ECIA members, whether the standard is to be used either domestically or internationally.

Standards and Publications are adopted by ECIA in accordance with the American National Standards Institute (ANSI) patent policy. By such action, ECIA does not assume any liability to any patent owner, nor does it assume any obligation whatever to parties adopting the Standard or Publication.

This EIA Standard is identical (IDT) with the International Standard IEC Publication 60938-2-2:1999: *Fixed Inductors for Electromagnetic Interference Suppression – Part 2-2: Blank Detail Specification – Inductors for Which Safety Tests Are Required (Only)*.

This document is the EIA Standard EIA-60938-2-2-2014 Edition 1: *Fixed Inductors for Electromagnetic Interference Suppression – Part 2-1: Blank Detail Specification – Inductors for Which Safety Tests Are Required (Only)*.

The text, figures and tables of IEC 60938-2-2:1999 are used in this Standard with the consent of the IEC and the American National Standards Institute (ANSI). The IEC copyrighted material has been reproduced with permission from ANSI. The IEC Foreword and Introduction are not part of the requirements of this standard but are included for information purposes only.

This Standard does not purport to address all safety problems associated with its use or all applicable regulatory requirements. It is the responsibility of the user of this Standard to establish appropriate safety and health practices and to determine the applicability of regulatory limitations before its use.

(From Standards Proposal No. 5304, formulated under the cognizance of the Steering Committee for Passive Electronic Components Standards (S-1)).

Published by

©Electronic Components Industry Association 2014
Engineering Department
2214 Rock Hill Road, Suite 265
Herndon, VA 20170

**PLEASE!
DON'T VIOLATE
THE
LAW!**

This document is copyrighted by the ECIA and may not be reproduced without permission.

Organizations may obtain permission to reproduce a limited number of copies through entering into a license agreement. For information, contact:

IHS
15 Inverness Way East
Englewood, CO 80112-5704 or call
USA and Canada (1-877-413-5184), International (303-397-7956)

Contents

1	General data	4
1.1	Recommended method(s) of mounting (to be inserted).....	4
1.2	Dimensions	5
1.3	Ratings and characteristics.....	5
	d.c. resistance related to type designation	5
1.4	Related documents.....	5
1.5	Marking	6
1.6	Ordering information.....	6
1.7	Additional information (not for inspection purposes)	6
1.8	Additional or increased severities or requirements to those specified in the generic or sectional specification	6
2	Inspection requirements	6
2.1	Procedures.....	6
2.2	Test schedules	6
2.2.1	Initial approval	6
2.2.2	Conformance tests.....	6
	Table 1 – Dimensions related to case size	5
	Table 2 – Values of inductance, rated current and .5d.c. resistance related to type designation	5
	Table 3 – Other characteristics	6
	Table 4 – Conformance tests	7
	Annex A (normative) Declaration of design.....	8

INTERNATIONAL ELECTROTECHNICAL COMMISSION

**FIXED INDUCTORS FOR ELECTROMAGNETIC
INTERFERENCE SUPPRESSION –****Part 2-2: Blank detail specification –
Inductors for which safety tests are required (only)**

FOREWORD

- 1) The IEC (International Electrotechnical Commission) is a worldwide organization for standardization comprising all national electrotechnical committees (IEC National Committees). The object of the IEC is to promote international co-operation on all questions concerning standardization in the electrical and electronic fields. To this end and in addition to other activities, the IEC publishes International Standards. Their preparation is entrusted to technical committees; any IEC National Committee interested in the subject dealt with may participate in this preparatory work. International, governmental and non-governmental organizations liaising with the IEC also participate in this preparation. The IEC collaborates closely with the International Organization for Standardization (ISO) in accordance with conditions determined by agreement between the two organizations.
- 2) The formal decisions or agreements of the IEC on technical matters express, as nearly as possible, an international consensus of opinion on the relevant subjects since each technical committee has representation from all interested National Committees.
- 3) The documents produced have the form of recommendations for international use and are published in the form of standards, technical specifications, technical reports or guides and they are accepted by the National Committees in that sense.
- 4) In order to promote international unification, IEC National Committees undertake to apply IEC International Standards transparently to the maximum extent possible in their national and regional standards. Any divergence between the IEC Standard and the corresponding national or regional standard shall be clearly indicated in the latter.
- 5) The IEC provides no marking procedure to indicate its approval and cannot be rendered responsible for any equipment declared to be in conformity with one of its standards.
- 6) Attention is drawn to the possibility that some of the elements of this International Standard may be the subject of patent rights. The IEC shall not be held responsible for identifying any or all such patent rights.

International Standard IEC 60938-2-2 has been prepared by IEC technical committee 40: Capacitors and resistors for electronic equipment.

This bilingual version (2013-05) corresponds to the monolingual English version, published in 1999-10.

The text of this standard is based on the following documents:

FDIS	Report on voting
40/1113/FDIS	40/1139/RVD

Full information on the voting for the approval of this standard can be found in the report on voting indicated in the above table.

The French version of this standard has not been voted upon.

This publication has been drafted in accordance with the ISO/IEC Directives, Part 3.

Annex A forms an integral part of this standard.