



EIA STANDARD

ANSI/EIA-60384-26-1-2014(R2019)

Approved: September 30, 2014

Reaffirmed: November 12, 2019

EIA-60384-26-1

Fixed Capacitors for Use in Electronic Equipment – Part 26-1: Blank Detail Specification – Fixed Aluminium Electrolytic Capacitors with Conductive Polymer Solid Electrolyte – Assessment Level EZ

EIA-60384-26-1

(IEC 60384-26-1:2010, IDT)

September 2014



Electronic Components Industry Association

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 60384-26-1:2010: *Fixed Capacitors for Use in Electronic Equipment – Part 26-1: Blank Detail Specification – Fixed Aluminium Electrolytic Capacitors with Conductive Polymer Solid Electrolyte – Assessment Level EZ*.

This document is the EIA Standard EIA-60384-26-1-2014 Edition 1: *Fixed Capacitors for Use in Electronic Equipment – Part 26-1: Blank Detail Specification – Fixed Aluminium Electrolytic Capacitors with Conductive Polymer Solid Electrolyte – Assessment Level EZ*.

The text, figures and tables of IEC 60384-26-1:2010 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. 5266, formulated under the cognizance of the P-2.5 Committee on EIA Solid Electrolytic Capacitors Standards and given final approval by the Standards Steering Committee for Passive Electronic Components Standards (S-1) and reaffirmed by Project No. 5442).

Published by

©Electronic Components Industry Association 2019
Standards & Technology Department
13873 Park Center Road, Suite 315
Herndon, VA 20171

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

CONTENTS

FOREWORD	1
1 General data	4
1.1 Recommended method(s) of mounting (to be inserted)	4
1.2 Dimensions	4
1.3 Rating and characteristics	5
1.4 Normative references	5
1.5 Marking	6
1.6 Ordering information	6
1.7 Certified records of released lots	6
1.8 Additional information (not for inspection)	6
1.9 Other requirements for generic or sectional specifications	6
2 Inspection requirements	6
2.1 Procedures	6
2.1.1 Qualification approval	6
2.1.2 Quality conformance inspection	6
Bibliography	15
Table 1 – Case size reference and dimensions	4
Table 2 – Values of capacitance and of voltage related to case sizes	5
Table 3 – Characteristics	5
Table 4 – Other requests (other characteristics)	6
Table 5 – Test schedule for quality conformance inspection	7

INTERNATIONAL ELECTROTECHNICAL COMMISSION

FIXED CAPACITORS FOR USE IN ELECTRONIC EQUIPMENT –

**Part 26-1: Blank detail specification –
Fixed aluminium electrolytic capacitors
with conductive polymer solid electrolyte –
Assessment level EZ**

FOREWORD

- 1) The International Electrotechnical Commission (IEC) is a worldwide organization for standardization comprising all national electrotechnical committees (IEC National Committees). The object of 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, IEC publishes International Standards, Technical Specifications, Technical Reports, Publicly Available Specifications (PAS) and Guides (hereafter referred to as "IEC Publication(s)"). 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. 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 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 IEC National Committees.
- 3) IEC Publications have the form of recommendations for international use and are accepted by IEC National Committees in that sense. While all reasonable efforts are made to ensure that the technical content of IEC Publications is accurate, IEC cannot be held responsible for the way in which they are used or for any misinterpretation by any end user.
- 4) In order to promote international uniformity, IEC National Committees undertake to apply IEC Publications transparently to the maximum extent possible in their national and regional publications. Any divergence between any IEC Publication and the corresponding national or regional publication shall be clearly indicated in the latter.
- 5) IEC itself does not provide any attestation of conformity. Independent certification bodies provide conformity assessment services and, in some areas, access to IEC marks of conformity. IEC is not responsible for any services carried out by independent certification bodies.
- 6) All users should ensure that they have the latest edition of this publication.
- 7) No liability shall attach to IEC or its directors, employees, servants or agents including individual experts and members of its technical committees and IEC National Committees for any personal injury, property damage or other damage of any nature whatsoever, whether direct or indirect, or for costs (including legal fees) and expenses arising out of the publication, use of, or reliance upon, this IEC Publication or any other IEC Publications.
- 8) Attention is drawn to the Normative references cited in this publication. Use of the referenced publications is indispensable for the correct application of this publication.
- 9) Attention is drawn to the possibility that some of the elements of this IEC Publication may be the subject of patent rights. IEC shall not be held responsible for identifying any or all such patent rights.

International Standard IEC 60384-26-1 has been prepared by IEC technical committee 40: Capacitors and resistors for electronic equipment

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

FDIS	Report on voting
40/2053/FDIS	40/2063/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.

This publication has been drafted in accordance with the ISO/IEC Directives, Part 2.

A list of all parts of the IEC 60384 series can be found, under the general title *Fixed capacitors for use in the electronic equipment*, on the IEC website.

The committee has decided that the contents of this publication will remain unchanged until the stability date indicated on the IEC web site under "<http://webstore.iec.ch>" in the data related to the specific publication. At this date, the publication will be

- reconfirmed,
- withdrawn,
- replaced by a revised edition, or
- amended.

FIXED CAPACITORS FOR USE IN ELECTRONIC EQUIPMENT –

Part 26-1: Blank detail specification – Fixed aluminium electrolytic capacitors with conductive polymer solid electrolyte – Assessment level EZ

Blank detail specification

A blank detail specification is a supplementary document to the sectional specification and contains requirements for style and layout and minimum content of detail specifications. Detail specifications not complying with these requirements may not be considered as being in accordance with IEC specification nor shall they so be described.

In the preparation of detail specifications the contents of 1.4 of the sectional specification shall be taken into account.

The numbers between brackets on the first page correspond to the following information which shall be inserted in the position indicated.

Identification of the detail specification

- [1] The “International Electrotechnical Commission” or the National Standards Organization under whose authority the detail specification is drafted.
- [2] The IEC or National Standards number of the detail specification, date of issue and any further information required by the national system.
- [3] The number and date of issue of the IEC or National Generic Specification.
- [4] The number of the IEC or National blank detail specification.

Identification of the capacitor

- [5] A short description of the type of capacitor.
- [6] Information on typical construction (If applicable).
- [7] Outline drawing with main dimensions which are of importance for interchange ability and / or reference to the national or international documents for outlines. Alternatively, this drawing may be given in an appendix to the detail specification.
- [8] Application or group of applications covered and / or assessment level.
- [9] Reference data on the most important properties, to allow comparison between the various capacitor types.