

Fixed capacitors for use in electronic equipment —

**Part 17-1: Blank detail specification:
Fixed metallized polypropylene film
dielectric a.c. and pulse capacitors —
Assessment levels E and EZ**

The European Standard EN 60384-17-1:2005 has the status of a
British Standard

ICS 31.060.30

National foreword

This British Standard is the official English language version of EN 60384-17-1:2005. It is identical with IEC 60384-17-1:2005. It supersedes BS QC 301301:1990 which will be withdrawn on 1 November 2008.

The UK participation in its preparation was entrusted to Technical Committee EPL/40X, Capacitors and resistors for electronic equipment, which has the responsibility to:

- aid enquirers to understand the text;
- present to the responsible international/European committee any enquiries on the interpretation, or proposals for change, and keep UK interests informed;
- monitor related international and European developments and promulgate them in the UK.

A list of organizations represented on this committee can be obtained on request to its secretary.

Cross-references

The British Standards which implement international or European publications referred to in this document may be found in the *BSI Catalogue* under the section entitled “International Standards Correspondence Index”, or by using the “Search” facility of the *BSI Electronic Catalogue* or of British Standards Online.

This publication does not purport to include all the necessary provisions of a contract. Users are responsible for its correct application.

Compliance with a British Standard does not of itself confer immunity from legal obligations.

Summary of pages

This document comprises a front cover, an inside front cover, the EN title page, pages 2 to 15 and a back cover.

The BSI copyright notice displayed in this document indicates when the document was last issued.

This British Standard was published under the authority of the Standards Policy and Strategy Committee on 2 February 2006

© BSI 2 February 2006

ISBN 0 580 47746 0

Amendments issued since publication

Amd. No.	Date	Comments

Fixed capacitors for use in electronic equipment
Part 17-1: Blank detail specification:
Fixed metallized polypropylene film dielectric a.c. and pulse capacitors -
Assessment levels E and EZ
(IEC 60384-17-1:2005)

Condensateurs fixes utilisés
dans les équipements électroniques
Partie 17-1: Spécification particulière
cadre: Condensateurs fixes pour tension
alternative et pour impulsions à
diélectrique en film de polypropylène
métallisé –
Niveaux d'assurances E et EZ
(CEI 60384-17-1:2005)

Festkondensatoren zur Verwendung in
Geräten der Elektronik
Teil 17-1: Vordruck für Bauartspezifikation:
Festkondensatoren mit metallisierter
Polypropylen-Folie als Dielektrikum für
Wechselspannungs- und Impulsbetrieb -
Qualitätsbewertungsstufen E und EZ
(IEC 60384-17-1:2005)

This European Standard was approved by CENELEC on 2005-11-01. CENELEC members are bound to comply with the CEN/CENELEC Internal Regulations which stipulate the conditions for giving this European Standard the status of a national standard without any alteration.

Up-to-date lists and bibliographical references concerning such national standards may be obtained on application to the Central Secretariat or to any CENELEC member.

This European Standard exists in three official versions (English, French, German). A version in any other language made by translation under the responsibility of a CENELEC member into its own language and notified to the Central Secretariat has the same status as the official versions.

CENELEC members are the national electrotechnical committees of Austria, Belgium, Cyprus, Czech Republic, Denmark, Estonia, Finland, France, Germany, Greece, Hungary, Iceland, Ireland, Italy, Latvia, Lithuania, Luxembourg, Malta, Netherlands, Norway, Poland, Portugal, Slovakia, Slovenia, Spain, Sweden, Switzerland and United Kingdom.

CENELEC

European Committee for Electrotechnical Standardization
Comité Européen de Normalisation Electrotechnique
Europäisches Komitee für Elektrotechnische Normung

Central Secretariat: rue de Stassart 35, B - 1050 Brussels

Foreword

The text of document 40/1598/FDIS, future edition 2 of IEC 60384-17-1, prepared by IEC TC 40, Capacitors and resistors for electronic equipment, was submitted to the IEC-CENELEC parallel vote and was approved by CENELEC as EN 60384-17-1 on 2005-11-01.

The following dates were fixed:

- | | | |
|--|-------|------------|
| – latest date by which the EN has to be implemented at national level by publication of an identical national standard or by endorsement | (dop) | 2006-08-01 |
| – latest date by which the national standards conflicting with the EN have to be withdrawn | (dow) | 2008-11-01 |

Annex ZA has been added by CENELEC.

Endorsement notice

The text of the International Standard IEC 60384-17-1:2005 was approved by CENELEC as a European Standard without any modification.

FIXED CAPACITORS FOR USE IN ELECTRONIC EQUIPMENT –

Part 17-1: Blank detail specification: Fixed metallized polypropylene film dielectric a.c. and pulse capacitors – Assessment levels E and EZ

INTRODUCTION

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 specifications nor shall they be so described.

In the preparation of detail specifications the content 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 issue number of the IEC or national generic specification.
- [4] The IEC number of the blank detail specification.

Identification of the capacitor

- [5] A short description of the type of capacitor.
- [6] Information on typical construction (when applicable).
NOTE When the capacitor is not designed for use in printed board applications, this must be clearly stated in the detail specification in this position.
- [7] Outline drawing with main dimensions which are of importance for interchangeability 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.
NOTE The assessment level(s) to be used in a detail specification must be selected from the sectional specification, 3.5.4. This implies that one blank detail specification may be used in combination with several assessment levels provided the grouping of the tests does not change.
- [9] Reference data on the most important properties, to allow comparison between the various capacitor types.

[1]	IEC 60384-17-1-XXX QC XXXXXXXXXX [2]
ELECTRONIC COMPONENTS OF ASSESSED QUALITY IN ACCORDANCE WITH:	IEC 60384-17-1 QC XXXXXX [4]
[3]	FIXED METALLIZED POLYPROPYLENE FILM DIELECTRIC AC AND PULSE CAPACITORS [5]
Outline drawing (see Table 1) (first angle projection)	[6]
[7]	Assessment levels E and EZ [8] Performance grade: Stability grade:
(Other shapes are permitted within the dimensions given)	
NOTE For [1] to [9]: see previous page.	

Information on the availability of components qualified to this detail specification is given in IEC QC 001005

[9]

1 General data

1.1 Recommended method(s) of mounting (to be inserted)

See IEC 60384-17, 1.4.2.

1.2 Dimensions

Table 1 – Case size reference and dimensions

Case size reference	Dimensions						
	Ø	L	H	d			
When there is no case size reference, Table 1 may be omitted and the dimensions shall be given in Table 2, which then becomes Table 1.							
The dimensions shall be given as maximum dimensions or as nominal dimensions with a tolerance.							