

Harmonized system of quality assessment for electronic components — Fixed capacitors for use in electronic equipment —

**Blank detail specification —
Fixed capacitors of ceramic dielectric,
class 2 —
Assessment level E**

ICS 31.060.20

Amendments issued since publication

Amd. No.	Date	Comments
10868 Corr. No. 1	February 2001	In Table IV, subgroup B1, column 2, ND changed to D.

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National foreword

This British Standard has been prepared under the direction of the Electronic Components Standards Policy Committee. It is identical with IEC 384-9-1:1988 (QC 300701) “*Fixed capacitors for use in electronic equipment. Part 9: Blank detail specification for fixed capacitors of ceramic dielectric, class 2. Assessment Level E*”, including corrigendum May 1999, published by the International Electrotechnical Commission (IEC) and is a harmonized specification in the IECQ system of quality assessment for electronic components.

IEC 384-9-1 was prepared by IEC Technical Committee No. 40, “*Capacitors and resistors for electronic equipment*” and the United Kingdom participation in the drafting was provided by Subcommittee ECL/4/4 “*Capacitors and electromagnetic suppression components for electronic equipment*”, under the direction of Technical Committee ECL/4, “*Capacitors and resistors for electronic equipment*”.

Scope. This standard lists the ratings, characteristics and inspection requirements which shall be included as mandatory requirements in accordance with BS QC 300700 in any detail specification for these components.

Cross-references

International Standard	Corresponding British Standard
IEC 384-1:1982	BS QC 300000:1983 <i>Fixed capacitors for use in electronic equipment. Generic specification</i> (Identical)
IEC 384-9:1988	BS QC 300700:1992 <i>Harmonized system of quality assessment for electronic components. Fixed capacitors for use in electronic equipment. Sectional specification for fixed capacitors of ceramic dielectric, class 2</i> (Identical)
IEC 410:1973	BS 6001 <i>Sampling procedures for inspection by attributes. Part 1:1991 Specification for sampling plans indexed by acceptable quality level (AQL) for lot-by-lot inspection</i> (Technically equivalent)

The British Standard which implements the IECQ Rules of Procedure is BS 9000 “*General requirements for a system for electronic components of assessed quality*” Part 3:1991 “*Specification for the national implementation of the IECQ System*”.

The Technical Committee has reviewed the provisions of QC 001001 to which reference is made in the text and has decided that they are acceptable for use in conjunction with this standard.

Detail Specifications. Detail Specifications shall comply with the requirements of this Blank Detail Specification and BS QC 001002:1991 “*Rules of Procedure of the IEC Quality Assessment System for Electronic Components (IECQ)*”.

A British Standard does not purport to include all the necessary provisions of a contract. Users of British Standards are responsible for their 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, pages i and ii, pages 1 to 8, an inside back cover and a back cover.

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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 so be described.

In the preparation of detail specifications the content of Sub-clause 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 Organisation 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 shall 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 shall be selected from the sectional specification, Sub-clause 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.