

Specification for

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

**Blank detail specification: Fixed
metallized polycarbonate film dielectric
d.c. capacitors —
Assessment level E**

Committees responsible for this British Standard

The preparation of this British Standard was entrusted by the Electronic Components Standards Policy Committee (ECL/-) to Technical Committee ECL/4, upon which the following bodies were represented:

- British Telecommunications plc
- Electronic Components Industry Federation
- Electronic Engineering Association
- Ministry of Defence
- National Supervising Inspectorate
- Society of British Aerospace Companies Ltd.
- Telecommunication Engineering and Manufacturing Association

This British Standard, having been prepared under the direction of the Electronic Components Standards Policy Committee, was published under the authority of the Board of BSI and comes into effect on 31 May 1990

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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 Publication 384-6-1 (QC 300501) “*Fixed capacitors for use in electronic equipment — Part 6: Blank detail specification: Fixed metallized polycarbonate film dielectric d.c. capacitors. Assessment level E*” published in 1987 by the International Electrotechnical Commission (IEC). The UK has played an active part in the development of the IEC Publication.

This standard is a harmonized specification within the IECQ system of quality assessment for electronic components.

Cross-references. The British Standard which implements IEC Publications QC 001001:1986 and QC 001002:1986 is BS 9000: “*General requirements for a system for electronic components of assessed quality*”— Part 3:1987 “*Specification for national implementation of IECQ basic rules and rules of procedure*”.

International Standard	Corresponding British Standard
IEC 384-1:1982	BS QC 300000:1983: <i>Specification for harmonized system of quality assessment for electronic components. Fixed capacitors for use in electronic equipment^a</i> <i>Generic specification</i> (Identical)
IEC 384-6:1987 (QC 300500)	BS QC 300500:1988: <i>Specification for harmonized system of quality assessment for electronic components. Fixed capacitors for use in electronic equipment. Sectional specification: Fixed metallized polycarbonate film dielectric d.c. capacitors</i> (Identical)
IEC 410:1973	BS 6001: <i>Sampling procedures for inspection by attributes: Part 1:1972: Specification for sampling plans indexed by acceptable quality level (AQL) for lot-by-lot inspection</i> (Technically equivalent)

^a Formerly BS 9930-0:1983.

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Summary of pages

This document comprises a front cover, an inside front cover, pages i to iv, pages 1 to 8, an inside back cover and a back cover.

This standard has been updated (see copyright date) and may have had amendments incorporated. This will be indicated in the amendment table on the inside front cover.

Foreword

- 1) The formal decisions or agreements of the IEC on technical matters, prepared by Technical Committees on which all the National Committees having a special interest therein are represented, express, as nearly as possible, an international consensus of opinion on the subjects dealt with.
- 2) They have the form of recommendations for international use and they are accepted by the National Committees in that sense.
- 3) In order to promote international unification, the IEC expresses the wish that all National Committees should adopt the text of the IEC recommendation for their national rules in so far as national conditions will permit. Any divergence between the IEC recommendation and the corresponding national rules should, as far as possible, be clearly indicated in the latter.

Preface

This standard has been prepared by IEC Technical Committee No. 40: Capacitors and Resistors for Electronic Equipment.

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

Six Months' Rule	Reports on Voting
40(CO)589	40(CO)634
40(CO)598	40(CO)646
40(CO)599	40(CO)647

Further information can be found in the relevant Reports on Voting indicated in the table above.

The QC number that appears on the front cover of this publication is the specification number in the IEC Quality Assessment System for Electronic Components (IECQ).

Other IEC publications quoted in this standard:

- Publications Nos. 384-1:1982, *Fixed Capacitors for Use in Electronic Equipment — Part 1: Generic Specification*.
Amendment No. 1 (1985) and No. 2 (1986).
- 384-6:1987, *Part 6: Sectional Specification: Fixed Metallized Polycarbonate Film Dielectric D.C. Capacitors*.
- 410:1973, *Sampling Plans and Procedures for Inspection by Attributes*.