

INTERNATIONAL STANDARD

NORME INTERNATIONALE

**Fixed capacitors for use in electronic equipment –
Part 20-1: Blank detail specification – Fixed metallized polyphenylene sulfide film
dielectric surface mount d.c. capacitors – Assessment level EZ**

**Condensateurs fixes utilisés dans les équipements électroniques –
Partie 20-1: Spécification particulière cadre – Condensateurs fixes pour montage
en surface pour courant continu à diélectrique en film de sulfure de
polyphénylène métallisé – Niveau d'assurance EZ**



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INTERNATIONAL ELECTROTECHNICAL COMMISSION

FIXED CAPACITORS FOR USE IN ELECTRONIC EQUIPMENT –

Part 20-1: Blank detail specification – Fixed metallized polyphenylene sulfide film dielectric surface mount d.c. capacitors – Assessment level EZ

FOREWORD

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International Standard IEC 60384-20-1 has been prepared by IEC technical committee 40: Capacitors and resistors for electronic equipment.

This second edition cancels and replaces the first edition published in 1996 and constitutes a minor revision related to tables and references.

This bilingual version (2013-05) corresponds to the monolingual English version, published in 2008-01.

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

FDIS	Report on voting
40/1872/FDIS	40/1889/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 2.

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

The committee has decided that the contents of this publication will remain unchanged until the maintenance result 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- withdrawn,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.

The contents of the corrigendum of February 2008 have been included in this copy.

FIXED CAPACITORS FOR USE IN ELECTRONIC EQUIPMENT –

Part 20-1: Blank detail specification – Fixed metallized polyphenylene sulfide film dielectric surface mount d.c. capacitors – 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 specifications nor shall they so be 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).
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 annex 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 are selected from 3.5.4 of the sectional specification. 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 60384-20-1XX [2] QC 302001XXXXXX
ELECTRONIC COMPONENTS OF ASSESSED QUALITY IN ACCORDANCE WITH: [3]	IEC 60384-20-1 [4] QC 302001 FIXED METALLIZED [5] POLYETHYLENE SULFIDE FILM DIELECTRIC SURFACE MOUNT D.C. CAPACITORS
Outline drawing: (see Table 1) [...angle projection] [7] [Other shapes are permitted within the dimensions given.]	[6] Assessment level(s): EZ [8]

Information on the availability of components qualified to this detail specification is given in the Register of Approvals

(9)

1 General data

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

See 1.4.2 of IEC 60384-20.

1.2 Dimensions

Table 1 – Dimensions

Case size reference	Dimensions mm						
	L_1	W_1	H_1	L_2	L_3	L_4	

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.