

# INTERNATIONAL STANDARD

## NORME INTERNATIONALE

**Fixed capacitors for use in electronic equipment –  
Part 22: Sectional specification – Fixed surface mount multilayer capacitors of  
ceramic dielectric, Class 2**

**Condensateurs fixes utilisés dans les équipements électroniques –  
Partie 22: Spécification intermédiaire – Condensateurs multicouches fixes à  
diélectriques en céramique pour montage en surface, de Classe 2**



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Withdrawn

## INTERNATIONAL ELECTROTECHNICAL COMMISSION

**FIXED CAPACITORS FOR USE IN ELECTRONIC EQUIPMENT –****Part 22: Sectional specification – Fixed surface mount  
multilayer capacitors of ceramic dielectric, Class 2**

## FOREWORD

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International Standard IEC 60384-22 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 2004 and contains the following significant technical changes with respect to the previous edition.

- The measuring frequency of 1 MHz has been reduced to 1 kHz for 100 pF, see 4.5.1 Capacitance.
- The test voltage of  $1,2 U_R$  at  $U_R \geq 1\,000\text{ V}$  has been added in 4.5.4 Voltage proof.
- Detail test conditions have been added in 4.7 Shear test and 4.8 Substrate bending test.
- Test conditions applying lead free solder alloy (Sn-Ag-Cu) have been included in 4.9 Resistance to soldering heat and 4.10 Solderability.
- A selection of the test conditions according to marketing needs has been stated in 4.13 Damp heat, steady state.

- The dimensions of 0402 M in Annex A have been added.
- The temperature characteristics code of capacitance for the reference temperature of 25 °C has been added, see Annex C.

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

FDIS	Report on voting
40/2128/FDIS	40/2141/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.

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