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Irish Standard
I.S. EN 140101-806:2009

Detail Specification: Fixed low power film resistors - Metal film resistors on high grade ceramic, conformal coated or molded, axial or preformed leads

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Údarás um Chaighdeáin Náisiúnta na hÉireann

English version

**Detail Specification:
Fixed low power film resistors -
Metal film resistors on high grade ceramic,
conformal coated or molded, axial or preformed leads**

Spécification particulière:
Résistances fixes à couche
et à faible dissipation -
Résistances à couche métallique
sur céramique de qualité supérieure,
moulée ou disposant
d'un revêtement enrobant,
avec des sorties préformées ou axiales

Bauartspezifikation:
Schicht-Festwiderstände
niedriger Belastbarkeit -
Metallschichtwiderstände auf hochwertiger
Keramik, mit konformer Umhüllung und
axialen oder vorgeformten Anschlüssen

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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.

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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

This European Standard was prepared by the Technical Committee CENELEC TC 40XB, Resistors.

The text of the draft was submitted to the formal vote and was approved by CENELEC as EN 140101-806 on 2007-11-01.

This European Standard supersedes CECC 40 101-806:1997.

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) 2008-11-01
- latest date by which the national standards conflicting with the EN have to be withdrawn (dow) 2010-11-01

Preceding documents on the subject covered by this specification have been:

- only on resistors without established reliability, now Version A:
 - CECC 40 101-012: 1978-09; 1981-10; 1983-09; 1992-11
 - CECC 40 101-013: 1978-09; 1981-10; 1983-09; 1992-11
 - CECC 40 101-014: 1978-09; 1981-10
 - CECC 40 101-015: 1981-10; 1983-09; 1992-11
 - CECC 40 101-016: 1978-09; 1981-10; 1983-09; 1992-11
 - CECC 40 101-017: 1978-09; 1981-10; 1983-09; 1992-11
 - CECC 40 101-018: 1981-01; 1983-09; 1992-11
 - CECC 40 101-022: 1977-07
 - CECC 40 101-023: 1977-07
 - CECC 40 101-025: 1977-06
 - CECC 40 101-033: 1981-10; 1983-09
 - CECC 40 101-039: 1982-04; 1986-05
 - CECC 40 101-040: 1982-04; 1984-06
 - CECC 40 101-041: 1984-00
 - CECC 40 101-042: 1984-00
 - CECC 40 101-045: 1985-07; 1987-01; 1992-11; 1995-05
 - CECC 40 101-048: 1992-02; 1992-10
- only on resistors with established reliability, now Version E:
 - CECC 40 101-046: 1987-11
 - CECC 40 101-047: 1988-07; 1989-08; 1990-12; 1993-02; 1995-06

Compared to the superseded standard, the following changes have been implemented:

- modification of the title;
- elimination of style E;
- revised tables for resistance range and tolerance on rated resistance in 1.3;
- introduction of temperature coefficients $\pm 10 \cdot 10^{-6}/K$ and $\pm 5 \cdot 10^{-6}/K$ in 1.4;
- introduction of stability classes 0,25, 0,1 and 0,05 in 1.3 and 1.6;
- introduction of a test on the resistance to electrostatic discharge (ESD) in 1.6 and Annex A;
- introduction of description and test methods for lead-free soldering in 1.9.3 and Annex A;
- introduction of code letters for temperature coefficient (TCR) as in EN 60062;
- revision of ordering information in 1.8.4;

- revised information on pulse load capability in 1.9.5;
- revised information on resistance drift in 1.9.6;
- adoption of the IECQ rules of procedure, IEC QC 001002-3;
- revision of the sample quantities and the sequence of tests in Annex A;
- editorial revision.

This specification is part of a series of documents describing fixed low power film resistors as follows.

- EN 60115-1 Fixed resistors for use in electronic equipment – Part 1: Generic specification (IEC 60115-1, mod.)
- EN 140100 Sectional specification: Fixed low power film resistors
- this detail specification.

Any detail specification within this series is written on the basis of

- EN 140101 Blank detail specification: Fixed low power film resistors.

The contents of the corrigendum of October 2009 have been included in this copy.

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