IEC 62024-1

Edition 4.0 2024-07

INTERNATIONAL STANDARD

NORME INTERNATIONALE

colour inside

High frequency inductive components – Electrical characteristics and measuring methods –
Part 1: Nanohenry range chip inductor

Composants inductifs à haute fréquence – Caractéristiques électriques et méthodes de mesure –
Partie 1: Bobine d'inductance pastille de l'ordre du nanohenry

IEC 62024-1:2024-07(en-fr)

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HIGH FREQUENCY INDUCTIVE COMPONENTS – ELECTRICAL CHARACTERISTICS AND MEASURING METHODS –

Part 1: Nanohenry range chip inductor

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This fourth edition cancels and replaces the third edition published in 2017. This edition constitutes a technical revision.

This edition includes the following significant technical changes with respect to the previous edition:

a) addition of S parameter measurement;
b) addition of the inductance, Q-factor and impedance of an inductor which are measured by the reflection coefficient method with a network analyzer;

c) addition of the resonance frequency of an inductor which is measured by a two-port network analyzer;

d) addition of the mounting method for a surface mounting inductor with Pb-free solder.

The text of this International Standard is based on the following documents:

Draft	Report on voting
51/1500/FDIS	51/1511/RVD

Full information on the voting for its approval can be found in the report on voting indicated in the above table.

The language used for the development of this International Standard is English.

This document was drafted in accordance with ISO/IEC Directives, Part 2, and developed in accordance with ISO/IEC Directives, Part 1 and ISO/IEC Directives, IEC Supplement, available at www.iec.ch/members_experts/refdocs. The main document types developed by IEC are described in greater detail at www.iec.ch/publications.

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