

Indian Standard
SPECIFICATION FOR
LAMINATIONS FOR TRANSFORMERS
AND INDUCTORS FOR USE IN
TELECOMMUNICATION AND ELECTRONIC
EQUIPMENT
PART I GENERAL REQUIREMENTS AND TESTS

0. FOREWORD

0.1 This Indian Standard (Part 1) was adopted by the Indian Standards Institution on 28 July 1986, after the draft finalized by the Magnetic Components and Ferrite Materials Sectional Committee had been approved by the Electronics and Telecommunication Division Council.

0.2 This standard deals with laminations of various shapes, made from magnetic sheets or alloys of specified composition and thicknesses, their marking and packing, and also simple test methods for determining the electrical properties of cores made from such laminations. The principal application of these laminations is for transformer and inductors used in telecommunication and electronic equipment employing similar techniques.

0.3 The preferred ranges of laminations are covered in Part 2 of this series.

0.4 This standard is based on IEC Pub 740 (1982), 'Laminations for transformers and inductors for use in telecommunication and electronic equipment', issued by the International Electrotechnical Commission (IEC).

0.5 For the purpose of deciding whether a particular requirement of this standard is complied with, the final value, observed or calculated expressing the result of a test or analysis, shall be rounded off in accordance with IS : 2-1960*. The number of significant places retained in the rounded off value should be the same as that of the specified value in this standard.

1. SCOPE

1.1 This standard (Part 1) specifies general requirements, namely, mechanical and electrical

characteristics and methods of tests for laminations for transformers and inductors for use in telecommunication and electronic equipment.

*Rules for rounding off numerical values (*revised*).

†Electrotechnical vocabulary: Part 31 Magnetism.

‡Electro technical vocabulary: Part 41 Non-reciprocal electromagnetic components.