

(PREVIEW)

*Indian Standard*DIMENSIONS OF
TOROIDAL STRIP-WOUND CORES
OF MAGNETICALLY SOFT MATERIAL

0. FOREWORD

0.1 This Indian Standard was adopted by the Indian Standards Institution on 31 October 1979, 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 While preparing this standard assistance has been derived from IEC Doc 51 (Central Office) 186 'Toroidal strip-wound cores of magnetically soft materials', issued by International Electrotechnical Commission (IEC).

0.3 Some guidelines for protection of toroidal strip-wound cores are given in Appendix A for information.

0.4 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, 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 specifies dimensional and constructional characteristics for toroidal cores wound from strips of magnetically soft steel or alloy having a thickness between 0.003 and 0.35 mm.

1.1.1 It includes standard ranges of main dimensions, values for strip thickness, marking and packing.

1.2 It does not cover dimensions of toroidal cores made from magnetic oxides or ferromagnetic powder which are given in IS : 7930-1976†.

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

†Dimensions of toroids made of magnetic oxides or iron powder.