

Indian Standard

CODE OF PRACTICE FOR THE USE OF ELECTRONIC VALVES

PART I COMMERCIAL RECEIVING VALVES

0. FOREWORD

0.1 This Indian Standard (Part I) was adopted by the Indian Standards Institution on 3 February 1964, after the draft finalized by the Electronic Components Sectional Committee had been approved by the Electrotechnical Division Council.

0.2 With the establishment of electronic valve manufacture in India, the need has been felt for bringing out the necessary national standards on the subject. A start has been made in this direction on the subject of receiver valves which are currently under production. It is proposed to bring out a series of Indian Standards covering tubes and valves and this code is one of that series. The other standards will cover methods of measurements of characteristics, standard outlines and terminology, etc.

0.3 This code is intended to give general guidance to the designers of electronic equipment to be supplemented by data sheets from the valve manufacturer so that optimum efficiency, performance and life can be obtained. This part covers the recommendations applicable to commercial receiving valves. Further parts covering other types of valves, such as transmitting valves, industrial valves and special quality valves, will be published shortly.

0.4 The recommendations made in this code relate to normal commercial application of valves and in cases where a higher degree of reliability is called for, for example, in certain professional equipment, additional precautions will have to be taken and for this, reference should be made to manufacturers' catalogues.

0.5 This code is based, to a large extent, on B.S. CP 1005 : 1962 The Use of Electronic Valves, issued by the British Standards Institution. The rating systems (*see 3.3.2*) have been aligned with IEC Publication 134-1961 Rating Systems for Electronic Tubes and Valves and Analogous Semiconductor Devices, issued by the International Electrotechnical Commission (IEC).

IS : 2597 (Part I) - 1964

0.6 A limited terminology for the immediate purposes of this code has been included in this standard. A complete terminology on electronic valves is separately under preparation.

0.7 Explanatory paragraphs in italics have been added under most of the recommendations in this code.

0.8 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 Rules for Rounding Off Numerical Values (*Revised*). The number of significant places retained in the rounded off value should be the same as that of the specified value in this standard.

0.9 This code is intended chiefly to lay down recommendations for the use of commercial receiving valves, and it does not include all the necessary provisions of a contract.

1. SCOPE

1.1 This standard (Part I) covers recommendations for use of commercial receiving valves.