

*Indian Standard*LETTER SYMBOLS AND ABBREVIATIONS
FOR ELECTRON TUBES**0. FOREWORD**

0.1 This Indian Standard was adopted by the Indian Standards Institution on 30 August 1969, after the draft finalized by the Electron Tubes and Valves Sectional Committee had been approved by the Electrotechnical Division Council.

0.2 This standard deals with the letter symbols and abbreviations to be used for electron tubes by manufacturers in their catalogues and in other technical literature. The main purpose of this standard is to enable the technical characteristics of the manufacturers' products to be described to their customers, and it is in this field that the standard is expected to prove most useful.

0.2.1 A system of letter symbols and abbreviations is also necessary for mathematical calculation concerning the operation of electron tubes and for allied technical descriptions.

0.3 In preparing this standard, endeavour has been made to unify the symbols peculiar to the electronic tube industry, and at the same time to ensure that they do not generally conflict with those used in wider fields of electric and electronic engineering. Similarly, every effort has been made to ensure that as far as possible symbols have been employed which have a significance common to all branches of engineering.

0.4 It is hoped that by means of this standard the interests of those who are concerned with electron tubes will be best served; they will obtain the advantages of accepted common symbols and at the same time avoid any inconvenience which might follow the adoption of specialized terms and symbols in conflict with those more generally employed.

0.5 It is recognized that the symbols and abbreviations included in this standard are not exhaustive. It is recommended that, as such needs arise, symbols and abbreviations should be chosen that they do not conflict with the generally accepted symbols and abbreviations set out in this standard. In this way new symbols and abbreviations consistent with this scheme, may achieve that general acceptance which is a sound prelude to standardization.

0.6 In choosing the symbols and abbreviations, the convenience of their production with standard printer's type as well as on a typewriter has been borne in mind.

0.7 This standard is largely based on B.S. 1409:1950 'Letter symbols for electronic valves' issued by the British Standards Institution, and it also takes into account the practice followed in this country. Attempts have also been made to bring about uniformity as far as practicable with symbols adopted for semiconductor devices (IS 3715-1966*).

0.8 This document covers general symbols for receiving tubes, transmitting and industrial tubes and cathode-ray tubes. Additional symbols for covering specific characteristics for different types of tubes are not covered at present and may be included either in the form of an amendment or future revision of this standard. Symbols for micro-wave tubes are also not covered by this standard.

0.9 This standard is one of a series of Indian Standards on electron tubes.

1. SCOPE

1.1 This standard covers the letter symbols and abbreviations used in connection with electron tubes.