

Electronic parts of assessed quality —

Silicon voltage-regulator diodes

A British Standard does not purport to include all the necessary provisions of a contract. Users of British Standards are responsible for their correct application.

Compliance with a British Standard does not of itself confer immunity from legal obligations.

Summary of pages

This document comprises a front cover, an inside front cover, pages i and ii, pages 1 to 9 and a back cover.

This standard has been updated (see copyright date) and may have had amendments incorporated. This will be indicated in the amendment table on the inside front cover.

Amendments issued since publication

Amd. No.	Date	Comments

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1. **Specifications CV7405-CV7429 Issue 1 dated July 1963 with their existing amendments which are reproduced below are hereby adopted as BS 9300 C405-429.**
2. Devices inspected, released and supplied to this specification shall be marked CV7405-CV7429 as appropriate and where applicable, with the letters KB.
3. The references to “Military specification”, “Commercial equivalents”, “Reliability assurance provisions” or requirements and “Preparation for delivery” shall be disregarded.
4. In the Groups A, B and C inspection tables the references in the “K1007/NATO Ref” column shall be superseded by the appropriate reference given in BS 9300 Appendix C (Tables 1 to 5 inclusive).
5. Additional requirements not covered by BS 9300 Appendix C are:
 - Page 3.* Delete “Joint service catalogue numbers” and substitute “NATO stock numbers”.
Against each CV type number, delete “5960” and substitute “5961”.
6. Published amendments (consolidated)
 - Page 2.* Primary electrical characteristics. Column 9.
 - CV7405. Delete $I_R = 2.5 \text{ mA}$ and substitute $I_R = 5.0 \text{ mA}$.
 - CV7406. Delete $I_R = 0.6 \text{ mA}$ and substitute $I_R = 2.0 \text{ mA}$.
 - CV7407. Delete $I_R = 0.3 \text{ mA}$ and substitute $I_R = 0.6 \text{ mA}$.
 - CV7413. Delete $I_R = 1.0 \text{ mA}$ and substitute $I_R = 0.1 \text{ mA}$.

Military specification**CV7405 – CV7429****Semiconductor devices, voltage-regulator diodes**

Description This Specification covers the detail requirements for Silicon Voltage-Regulator Diodes, and is in accordance with K1007, except as otherwise stated.

Mechanical Dimensions and Outline

K1007 Section B. 10.3.3.1

Connections Flange and Cathode.

Absolute Maximum Ratings

Rating	P _{tot}	T _{op}	T _{stg}	Shock	Vibration
Unit	W	°C	°C	g	g
Minimum		– 55	– 55		
Maximum	1	150	150	1 500	20
Note	1			2	

Notes:— 1 See Derating Curve Figure 1, Page 7

2 Duration 0.5 mS

3 Commercial Equivalent 1Z-T5 Series