

CONFIRMED
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Electronic parts of assessed quality —

Silicon stud mounted, power rectifier
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 10 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 CV7379-CV7388, Issue 1A dated 29 September 1965 with their existing amendments which are reproduced below are hereby adopted as BS 9300 C379-C388.**
2. Devices inspected, released and supplied to this specification shall be marked CV7379-CV7388 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 In the Groups A, B and C inspection tables the references in the "K1007/NATO Ref" column shall be superseded by the appropriate reference given in BS 9300 Appendix C (Tables 1 to 5 inclusive).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 2.* Delete "Joint Services Catalogue Numbers" and substitute "NATO Stock Numbers".
Against each CV type number, delete "5960" and substitute "5961".
6. Published amendments (consolidated)
 - Page 1.* Amend Note D to read as follows:
SL-203-K, SL-403-K, SL-603-K, SL-803-K, SL-1003-K, Stud Anode.
SL-203-A to SL-1003-A Stud Cathode.
 - Page 4.* Group B. Subgroup 3, Vibration fatigue.
Delete reference to "Note 1" under Inspection level 1A (now S-a).
Other amendments are superseded by Table 4 of BS 9300 Appendix C.

Military specification**CV 7379-88****Semiconductor device, rectifier diode****← Indicates Change**

Description:— This specification covers the detail requirements for a Silicon, Stud Mounted, Power Rectifier Diode and is in accordance with Specification K1007, Issue 3 except as otherwise stated.

Mechanical Dimensions and Outlines:— Drawing **10.3.3.2**

Connections:— Stud-Anode CV7379-7383
Stud-Cathode CV7384-CV7388

Absolute Maximum Ratings:—

Device	Ratings	V_{RW}	V_{RS}	I_O	I_{FS}	T_{case}	T_{stg}	Vib.	Shock
	Unit	V	V	A	A	°C	°C	g	g
CV7379	Min.	—	—	—	See Figure 3.	—	– 55	—	—
CV7384	Max.	200	200	10		150	+ 150	20	100 ←
CV7380	Min.	—	—	—		—	– 55	—	—
CV7385	Max.	400	400	10		150	+ 150	20	100 ←
CV7381	Min.	—	—	—		—	– 55	—	—
CV7386	Max.	600	600	10		150	+ 150	20	100 ←
CV7382	Min.	—	—	—		—	– 55	—	—
CV7387	Max.	800	800	10		150	+ 150	20	100 ←
CV7383	Min.	—	—	—		—	– 55	—	—
CV7388	Max.	1 000	1 000	10		150	+ 150	20	100 ←
Note				A		B			C ←

- Notes: A. At 125 °C stud temperature. For method of measurement see TVC information, sheet 10. The maximum total loss is given in Figure 1.
B. See Derating Curve Figure 2
C. Duration 6mSec.
D. Commercial equivalent SL-203-3K, SL-403-3K, SL-603-3K
SL-803-3K, SL-1003-3K, Stud Anode.
SL-203-A, SL-1003-A, Stud Cathode.

Primary Electrical Characteristics:

Characteristics		V_F	I_R	I_R
Unit		V	µA	µA
CV7379-CV7388	Min.	—	—	—
	Max.	1.2	50	500
Conditions	T_{case} °C	25	25	100
	V_R V		Note 1	Note 1
	I_F A	10		

NOTE 1 At appropriate V_{RW} for each type

Reliability Assurance Requirements: Under discussion.