VALVE ELECTRONIC

CV2195

GENERAL POST OFFICE: E-IN-C (S)

Specification: GPO/CV2195 **Issue 2** Dated: **Sept.** 1956. To be read in conjunction with K 1001 BS 448 and BS 1409.	SECURITY	
	Specification	Valve
	Unclassified	Unclassified

→ indicates a change

TYPE OF VALVE: Miniature H.F. pentode

CATHODE: Indirectly heated

ENVELOPE: Glass

PROTOTYPE CV 138

→ This valve is a CV 138 selected for gm and Ia in accordance with the tests on page 2.

MARKING

See K 1001/4.1

PACKING

See K 1005

BASE

BS 448/B7G

CONNEXIONS

Pin	Electrode
1	g1
2	k
3	h
4	h
5	a
6	g3, s
7	g2

DIMENSIONS

See BS 448/B7G/2.1

Dimension (min.)	Min.	Max.
A seated height	-	47.5
C diameter	-	19.0
D overall length	-	54.5

TESTS

To be performed in addition to those applicable in specifications K 1001 and CV 138.

	Test conditions						Test		Limits		No. tested	Note
									Min.	Max.		
	Vh (V)	Va (V)	Vg2 (V)	Rk (ohms)	Vg1 (V)	Vg3 (V)						
a	6.3	150	250	120	0	0	gm	(mA/V)	7.2	~~8.0~~ 8.5	100%	1,2,3,4
b	6.3	115	115	0	0	0	Ia	(mA)	9.5	-	100%	

Notes 1. Rk shall be by-passed by a capacitance or a series tuned circuit having an impedance of less than 1 ohm at the fundamental frequency of the input signal.

2. The value of Rk shall include the effective D.C. resistance of any by-pass capacitance.

3. The maximum peak voltage of the signal applied between grid and cathode shall not exceed 0.1 volts.

4. Voltages specified for Vg1 and Vg3 are relative to earth.

ELECTRONIC VALVE SPECIFICATIONS
SPECIFICATION GPO/CV 2195,
ISSUE 2, DATED SEPTEMBER 1956

AMENDMENT NO.1

Page 2. Test Clause 'a'

Amend "gm max" of "8.0" to read "8.5".

T.V.C. for G.P.O.

May 1966

AAS 21/7/66

(310022)