

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.	<u>SECURITY</u>	
	<u>Specification</u>	<u>Valve</u>
	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.	<u>MARKING</u>	
	See K 1001/4.1	
	<u>PACKING</u>	
	See K 1005	
	<u>BASE</u>	
	BS 448/B7G	
	<u>CONNEXIONS</u>	
	<u>Pin</u>	<u>Electrode</u>
	1 2 3 4 5 6 7	g1 k h h a g3, s g2
	<u>DIMENSIONS</u>	
See BS 448/B7G/2.1		
Dimension (min.)	Min.    Max.	
A seated height	-    47.5	
C diameter	-    19.0	
D overall length	-    54.5	

Z.12717.R.

CV 2195/2/1

TESTS

To be performed in addition to those applicable in specifications K 10C1 and CV 138.

	Test conditions						Test	Limits		No. tested	Note
	Vh (v)	Va (v)	Vg2 (v)	Rk (ohms)	Vg1 (v)	Vg3 (v)		Min.	Max.		
a	6.3	150	250	120	0	0	gm (mA/V)	7.2	8.0	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.