## VALVE ELECTRONIC

CV2195

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

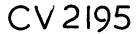
Specification: GPO/CV2195 Issue 2	SECURITY				
Dated: Sept. 1956.	Specification	Valve			
To be read in conjunction with K 1001 BS 448 and BS 1409.	Unclassified	Unclassified			

---> indicates a change

TYPE OF VALVE: Miniature H.F. pentode  CATHODE: Indirectly heated  ENVELOPE: Glass	<u>MARKING</u> See K 1001/4.1						
ENVELOPE: Glass PROTOTYPE CV 138	_	PACKING See K 1005					
This valve is a CV 138 selected for gm and Ia in accordance with the tests on page 2.	<u>Base</u> Bs 448/B7G						
	COM	CONNEXIONS					
•	Pin	Ele	Electrode				
	1 g1 k 3 h 4 h 5 a g3, s 7 DIMENSIONS						
	See BS 448/B7G/2.1						
	Dimension (mi	n.) Min.	Max.				
	A seated heigh C diameter D overall leng	-	47.5 19.0 54.5				
		·	1, ,				

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## TESTS

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

	Test conditions					Test		Limits		No.	Note	
								Min.	Max.	tested	Note	
	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	100%	1,2,3,4
ъ	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.

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