

CV1586

Specification MOS(A)/CV1586 Issue 6 Dated 20.2.57 To be read in conjunction with BS1409, BS448 and K1001.	<u>SECURITY</u>	
	<u>Specification</u>	<u>Valve</u>
	UNCLASSIFIED	UNCLASSIFIED

→ Indicates a change

TYPE OF VALVE - Triode		<u>MARKING</u>																																									
CATHODE - Directly heated		See K.1001/4																																									
ENVELOPE - Glass-metallised																																											
PROTOTYPE - HL23																																											
<u>RATINGS</u>		<u>BASE</u>																																									
(All limiting values are absolute)		BS.448/BS-MO																																									
		<u>CONNECTIONS</u>																																									
<table border="1" style="width: 100%;"> <tr> <td colspan="2"></td> <td colspan="2" style="text-align: center;">Note</td> </tr> <tr> <td></td> <td></td> <td style="text-align: center;">Pin</td> <td style="text-align: center;">Electrode</td> </tr> <tr> <td>Filament Voltage (V)</td> <td>2.0</td> <td style="text-align: center;">1</td> <td>Filament f</td> </tr> <tr> <td>Filament Current (mA)</td> <td>50</td> <td style="text-align: center;">2</td> <td>Pin Omitted NP</td> </tr> <tr> <td>Max. Operating Anode Voltage (V)</td> <td>150</td> <td style="text-align: center;">3</td> <td>Anode a</td> </tr> <tr> <td>Mutual Conductance (mA/V)</td> <td>1.5</td> <td style="text-align: center;">4</td> <td>Pin Omitted NP</td> </tr> <tr> <td>Amplification Factor</td> <td>32</td> <td style="text-align: center;">5</td> <td>Grid g</td> </tr> <tr> <td>Anode Resistance (kΩ)</td> <td>21</td> <td style="text-align: center;">6</td> <td>Metallising m</td> </tr> <tr> <td></td> <td></td> <td style="text-align: center;">7</td> <td>Pin Omitted NP</td> </tr> <tr> <td></td> <td></td> <td style="text-align: center;">8</td> <td>Filament f</td> </tr> </table>				Note				Pin	Electrode	Filament Voltage (V)	2.0	1	Filament f	Filament Current (mA)	50	2	Pin Omitted NP	Max. Operating Anode Voltage (V)	150	3	Anode a	Mutual Conductance (mA/V)	1.5	4	Pin Omitted NP	Amplification Factor	32	5	Grid g	Anode Resistance (kΩ)	21	6	Metallising m			7	Pin Omitted NP			8	Filament f		
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Dimensions (m.m.)		Min.	Max.																																								
		A	78	88																																							
		B	-	33																																							
		<u>MOUNTING POSITION</u>																																									
		Any																																									
<u>NOTES</u>																																											
A. At Va = 100V; Vg = 0.																																											

To be performed in addition to those applicable in K1001

CVI586

Test Conditions				Test	Limits		No. Tested
					Min.	Max.	
a	Measured on a 1 Mc/s bridge with valve mounted in a fully shielded socket.			<u>CAPACITANCES (pF)</u>			1% (20)
				C in	1.8	3.25	
				C out	4.0	5.4	
			Ca, g	4.0	5.4		
b	V	Va(V)	Vg	Filament Current (mA)	4.7	57	100%
	2.0	0	0				
c	2.0	120	-1.5	Anode Current (mA)	1.0	2.0	100%
d	2.0	120	-1.5 to 0	Anode Current Rise (mA)	1.6	-	100%
e	2.0	120	-1.5	Reverse Grid Current (μA)	-	0.75	100%
f	2.0	120	-6.0	Anode Current (mA)	-	0.05	100%
g	2.0	120	-1.5	Amplification Factor	26.0	37.0	100% or S
h	2.0	Anode and Grid Strapped. Applied Voltage = 10V r.m.s. 50 c/s.		Mean Cathode Current (mA)	4.9	-	100%