

→ Specification No. MOS/CV3830/3 Dated : 25.9.45. To be read in conjunction with K1001.	<u>SECURITY</u>	
	<u>Specification</u> Restricted	<u>Valve</u> Restricted ←

→ Indicates a change

<u>TYPE OF VALVE</u> : Triode <u>CATHODE</u> : Directly heated <u>ENVELOPE</u> : Glass - unmetallised <u>COMMERCIAL PROTOTYPE</u> : XH 1.5			<u>MARKING</u> As in K1001/4 ←		
<u>RATING</u>		<u>Note</u>	<u>BASE</u> Hivac 4-pin 6B		
			<u>Pin</u>	<u>Electrode</u>	
Filament voltage (V)	1.5		1	Anode	
Filament current (mA)	75		2	Control Grid	
Max. anode voltage (V)	100		3	Filament	
Mutual conductance (mA/V)	0.55	A	4	Filament	
Amplification factor	28	A			
Anode impedance (Ω)	51000	A			
<u>NOTES</u>			<u>DIMENSIONS</u>		
A. Measured at $V_a = 50V$ $V_g = 0V$			See K1001/AI/D1		
			<u>Dimension</u>	<u>Min.</u>	<u>Max.</u>
			A mm	-	68
	B mm	-	16		

CV 3830

TESTS

To be performed in addition to those applicable in K1001

	Test Conditions			Test	Limits		No. Tested
					Min.	Max.	
	V _f	V _a	V _g				
a	1.5	-	-	I _f (mA)	72	88	100%
b	1.5	50	0	I _a (mA)	0.25	0.6	100%
c	1.5	45	-2	I _a (μA)	-	40	100%
d	1.5	50	0	g _m (mA/V)	0.3	0.66	100%
e	1.5	50	-1	Rev I _g (μA)	-	1.0	100%
f	1.5	45	0	I _g (μA)	-	0.3	100%