

MINISTRY OF SUPPLY (S.R.D.E.)

Specification MOS/CV1303/Issue 7	<u>SECURITY</u>	
Dated 2.5.46	<u>Specification</u>	<u>Valve</u>
To be used in conjunction with K1001	Restricted	Restricted

—→ indicates a change

<u>TYPE OF VALVE:-</u> Triode					<u>MARKING</u>		
<u>CATHODE:-</u> Directly heated					See K1001/4		
<u>ENVELOPE:-</u> Glass-unmetallised							
<u>PROTOTYPE:-</u> HL210A							
<u>RATING</u>				Note	<u>BASE</u>		
					B ₄		
Filament voltage	(V)	2.0	A	<u>Pin</u>	<u>Electrode</u>		
Filament current	(A)	0.1		1	Anode		
Max. anode voltage	(V)	150		2	Grid		
Mutual conductance	(mA/V)	0.8		3	Filament		
Amplification factor		16		4	Filament		
Impedance	(ohms)	20,000	A				
<u>NOTES</u>					<u>DIMENSIONS</u>		
A. Measured at $V_a = 100, V_g = 0$					See K1001/AI/D1		
This valve type is obsolete and this specification is for record purposes only.					<u>Dimension</u>	<u>Min.</u>	<u>Max.</u>
					A mm	-	105
					B mm	-	43

TESTS

To be performed in addition to those applicable in K1001

	Test conditions			Test	Limits		No. tested
	V _f	V _a	V _g		Min.	Max.	
a	1.8	-	-	I _f (A)	0.09	0.11	100% or S
b	1.8	100	0	I _a (mA)	3.0	4.3	100%
c	1.8	100	+0.5	g _m (mA/V)	0.65	0.95	100%
d	1.8	100	-2	Reverse I _g (uA)	-	0.5	100%