

Specification AD/CV1178/Issue 2. Dated 30.10.46. To be read in conjunction with K1001	<u>SECURITY</u>	
	<u>Specification</u> Restricted	<u>Valve</u> Unclassified

<u>TYPE OF VALVE:-</u> Power amplifying triode		<u>MARKING</u>		
<u>CATHODE:-</u> Directly heated		See K1001/4.		
<u>ENVELOPE:-</u> Glass; clear				
<u>PROTOTYPE:-</u> DA30, DO30				
<u>RATING</u>		<u>BASE</u>		
		B <sub>4</sub>		
		See K1001/AIV/D5.1		
Filament voltage (V)	4.0	Note	A A	
Filament current (A)	2			
Max. Anode voltage (V)	500			
Amplification factor	3.5			
Mutual Conductance (mA/V)	3.8			
<u>CAPACITANCES (pF. approx.)</u>				
Cac	5	<u>DIMENSIONS</u>		
Cgc	9	See K1001/AI/D1		
Cag	10			
		<u>Dimension</u>	<u>Min.</u>	<u>Max.</u>
		A mm	-	160
		B mm	-	66
<u>NOTE</u>		<u>PACKING</u>		
A. At $V_a = 500$ V, $I_a = 60$ mA.		See K1001/7		

TESTS

To be performed in addition to those applicable in K1001.

	Test Conditions			Test	Limits		No. Tested
	Vf (V)	Va (V)	Ia (mA)		Min.	Max.	
a	4.0	-	-	If (A)	1.6	2.2	100% or S
b	4.0	500	60	Vg (V)	-128	-154	100%
	Vg noted at end of 3 mins.						
c	As in, and after test 'b'			Reverse Ig ( $\mu$ A)	-	5	100%
d	4.0	500	40	Vg change (V)	4.0	10.0	100%
	Change in Vg from value in test 'b' observed						