

ELECTRONIC VALVE SPECIFICATIONS

SPECIFICATION AD/CV.1219 ISSUE 3 DATED 11.6.47

AMENDMENT No.1.

(i) Page 1. RATING.

Filament Current - Delete "2.65" and substitute "2.0"

(ii) Test Clause (a)

In the column headed Limits, "Min. and Max." delete "2.3" and "3.0" and substitute "1.8" and "2.2" respectively.

November, 1964.
NP.222412

T.V.C. for A.S.W.E.

Specification AD/CV1219/Issue 3. Dated 11.6.47. To be read in conjunction with K1001.	<u>SECURITY</u>	
	<u>Specn.</u> Restricted	<u>Valve</u> Unclassified

<u>TYPE OF VALVE:-</u> Power Amplifier Triode		<u>MARKING</u> See K1001/4.											
<u>CATHODE:-</u> Directly heated, oxide-coated		<u>BASE</u> L4 See K1001/AIV/D6.											
<u>ENVELOPE:-</u> Glass		<table border="1"> <thead> <tr> <th>Pin</th> <th>Electrode</th> </tr> </thead> <tbody> <tr> <td>1</td> <td>A</td> </tr> <tr> <td>2</td> <td>F</td> </tr> <tr> <td>3</td> <td>F</td> </tr> <tr> <td>4</td> <td>G</td> </tr> </tbody> </table>		Pin	Electrode	1	A	2	F	3	F	4	G
Pin	Electrode												
1	A												
2	F												
3	F												
4	G												
<u>PROTOTYPES:-</u> DA100, MZ1-100													
<u>RATING</u>		<u>Note</u>											
Filament Voltage (V)	6.0												
Filament Current (A)	2.65												
Max. Anode Voltage (V)	1250												
Max. Continuous Anode Dissipation (W)	100												
μ	5.5		A										
Anode Resistance (Ω)	1400		A										
Mutual Conductance (mA/V)	4.0		A										
<u>NOTE</u>		<u>DIMENSIONS</u> See K1001/AI/D1.											
<p>A. At $V_a = 1000$ V, $V_g = -150$ V, $I_a = 100$ mA.</p>		<u>Dimension</u>	<u>Min.</u>	<u>Max.</u>									
		A mm	-	255									
		B mm	-	93									
		<u>PACKING</u> See K1005.											

TESTS

To be performed in addition to those applicable in K1001.

	Test Conditions				Test	Limits		No. Tested
	Vf (V)	Va (V)	Vg (V)	Ia (mA)		Min.	Max.	
a	6.0				If (A)	2.3	3.0	100% or S
b	6.0	Ad-justed	0	200	Va (V)	-	350	100%
c	6.0	1000	Ad-justed	100	(i) Vg (V)	-130	-180	100%
					(ii) Reverse Ig (μ A)	-	20	100%
For 10 minutes, Vg must be steady during last 3 mins. Vg and reverse Ig measured at end of test.								
d	6.0	1000	In-creased by -10 V. from value in test 'c'	Read	Ia (mA)	-	65	100%
e	6.0	800	Ad-justed	100	Difference in Vg from value in 'c' (V)	-30	-45	100% or S