

Specification AD/CV30/Issue 4 Dated 13.11.46. To be read in conjunction with K1001, ignoring clause:- 5.2.	<u>SECURITY</u>	
	<u>Specn.</u> Restricted	<u>Valve</u> Unclassified

<u>TYPE OF VALVE</u> : Air cooled triode. <u>CATHODE</u> :- Thoriated tungsten filament <u>ENVELOPE</u> :- Glass, unmetallised. <u>PROTOTYPE</u> :- 4270A.	<u>MARKING</u> See K1001/4.
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<u>RATING</u>		Note	<u>BASE, CONNECTIONS AND DIMENSIONS</u>	
Filament Voltage (V)	10.0		A	See Fig. 1.
Filament Current (A)	9.6	<u>PACKING</u> See K1001/7.3.		
Max. Anode Voltage (V)	3000	<u>NOTES</u> A. Measured with Ia = 0.12 A. <u>PACKAGING</u> SEE K1005		
Amplification Factor	16.5			
Max. Anode Dissipation (W)	350			
Impedance ( $\Omega$ )	2800			
<u>CAPACITANCES (pF).</u>				
Cag	21.0			
Caf	2.0			
Cgf	18.0			

TESTS

These tests shall be applied in addition to those specified in K1001

	Test Conditions				Test	Limits		Tested	Note
	Vf (V)	Va (V)	Vg (V)	Ia (mA)		Min.	Max.		
	RMS AC								
a	10				If (A)	9.0	10.3	100%	
b	10	1000	1000	-	$\hat{I}_e$ (A)	4.0	-	100%	1,4
c	10	2000	Adjusted	200	Reverse Ig ( $\mu$ A)	-	20	100%	2,4
d	10	2000	Recorded	200	Vg (V)			100%	3,4
e	10	1500	Recorded	200	Vg (V)			100%	3,4
f	10	1500	-60	Read	Ia (mA)	140	240	100%	4

NOTES

1. See K1001/AV.
2. The duration of this test shall be fifteen minutes, and the reverse grid current shall not be rising at the end of the test.
3. The amplification factor, calculated from the results of tests 'd' and 'e' shall be not less than 14 and not greater than 19.
4. The above tests are specified for AC filament heating with common return to centre point of filament transformer.

