

ADMIRALTY SIGNAL & RADAR ESTABLISHMENT

Specification AD/CV346/Issue 4. Dated : 22. 6. 54. To be read in conjunction with K1001, ignoring clauses :- 5.2, 5.8.	<u>SECURITY</u>	
	<u>Specification</u>	<u>Valve</u>
	Unclassified	Unclassified

<u>TYPE OF VALVE:-</u> Full wave high vacuum Rectifier.			<u>MARKING</u> See K1001/4.	
<u>CATHODE:-</u> Indirectly heated.			<u>BASE AND CONNECTIONS</u> B8G (Mod.) See K1001/AIV/D12, except for dimension 8 max. (32 mm).	
<u>ENVELOPE:-</u> Glass.				
<u>PROTOTYPE:-</u> 7Z4. EZ22.				
			Note	
Heater Voltage	(V)	6.3		
Heater Current	(A)	0.9		
Max. Applied R.M.S. voltage per anode	(V)	350		
Max. Mean D.C. Rectified Current	(mA)	110		
Max. Peak Inverse Voltage	(V)	1350		
Max. Surge Current	(mA)	650		
Min. Limiting Resistance per anode introduced externally	(ohms)	150		
Max. Reservoir Condenser	(μ F)	8		
Load Resistance	(ohms)	3300		

NOTE

A. Ratings apply to condenser input filter and 50 c/s supply.

TESTS

To be performed in addition to those applicable in K1001.

	Test Conditions		Test	Limits		No. Tested	Note
	Vf (V)	Va (V)		Min.	Max.		
a	6.3 A.C.		If (A)	0.81	0.99	100% or S	
b	6.3 A.C.	60 V A.C.	Ia (Emission) (mA)	160	-	100%	
c	6.3 A.C.	Input Voltage 350-0-350 R.M.S. Frequency 50 c/s. Reservoir condenser 8 μ F. Load 3300 ohms.	<u>Load Test</u> Output current (mA) Reject for softness or persistent flashover.	50	68	100%	

