

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> Unclassified	<u>Valve</u> 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> BSG (Mod.) See K1001/AIV/D12, except for dimension S max. (32 mm).	
<u>ENVELOPE:-</u> Glass.				
<u>PROTOTYPE:-</u> 74. EZ22.				
			<u>Pin</u>	
			<u>Electrode</u>	
Heater Voltage	(V)	6.3	1	Heater
Heater Current	(A)	0.9	2	No Connection
Max. Applied R.M.S. voltage per anode	(V)	350	3	Anode
Max. Mean D.C. Rectified Current	(mA)	110	4	No Connection
Max. Peak Inverse Voltage	(V)	1350	5	No Connection
Max. Surge Current	(mA)	650	6	Anode
Min. Limiting Resistance per anode introduced externally	(ohms)	150	7	Cathode
Max. Reservoir Condenser	( $\mu$ F)	8	8	Heater
Load Resistance	(ohms)	3300	Spigot	No Connection
			<u>DIMENSIONS</u> See Drawing Page 2.	

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
	V <sub>f</sub> (V)	V <sub>a</sub> (V)		Min.	Max.		
a	6.3 A.C.		I <sub>f</sub> (A)	0.81	0.99	100% or S	
b	6.3 A.C.	60 V A.C.	I <sub>a</sub> (Emission) (mA)	160	-	100%	
c	6.3 A.C.	Input Voltage 350-0-350 R.M.S. Frequency 50 c/s. Reservoir condenser 8 μF. Load 3300 ohms.	<u>Load Test</u> Output current (mA)  Reject for softness or persistent flashover.	50	68	100%	

