

ADMIRALTY SIGNAL ESTABLISHMENT

Specification AD/CV1263/Issue 5. Dated 21.7.47. To be read in conjunction with K1001, ignoring clauses:- 5.2, 5.8 and 7.2.	<u>SECURITY</u>	
	<u>Specification</u> Restricted	<u>Valve</u> Unclassified

<u>TYPE OF VALVE:-</u> Half-wave, Mercury-Vapour Rectifier.		<u>MARKING</u>		
<u>CATHODE:-</u> Directly Heated.		See K1001/4.1.		
<u>ENVELOPE:-</u> Glass, Unmetallised.		<u>BASE</u>		
<u>PROTOTYPE:-</u> RG1 - 125.		Medium Edison Screw See K1001/AIV/D13.2.		
<u>RATING</u>		Note	Pin Electrode	
Filament Voltage (V)	2.0	A	Thread	
Filament Current (A)	5.0		Button	
Max. Applied Va (V, RMS)	1,250		T.C.	
Max. Rectified Ia (mA)	125		<u>TOP CAP</u>	
Max. Peak Inverse Va (V)	4,000		See K1001/AI/D5.4.	
Max. Peak Ia (mA)	600		<u>DIMENSIONS</u>	
<u>NOTE</u>		See K1001/AI/D1.		
A. At 150 c/s Max.		Dimension	Min. Max.	
		A mm	- 155	
		B mm	- 55	
		<u>PACKAGING</u>		
		See K1005.		

TESTS

To be performed in addition to those applicable in K1001.

	Test Conditions	Test	Limits		No. Tested
			Min.	Max.	
a	Vf = 2.0 V	If (A)	3.0	5.5	100%
b	Valves to be tested in a bi-phase half-wave circuit. Vf = 2.0 V, Va = 1.5 kV R.M.S. at 50 c/s DC load (nominal) = 250 mA per pair. Run for one minute.	Load Test	Valves to be rejected for persistent flash-over.		100%