

ADMIRALTY SIGNAL & RADAR ESTABLISHMENT

(NU15)

Specification AD/CV1267/Issue 2 Dated: 8.8.52 To be read in conjunction with K1001.	<u>SECURITY</u> Specification      Valve Unclassified      Unclassified
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—————> indicates a change

<u>TYPE OF VALVE:-</u> Half Wave Rectifier			<u>MARKING</u>			
<u>CATHODE:-</u> Indirectly Heated						
<u>ENVELOPE:-</u> Glass			See K1001/4.			
<u>PROTOTYPE:-</u> 1D5						
<u>RATING</u>				<u>BASE</u>		
				B5		
				Note		
Heater Voltage	(V)	40.0	A	Pin	Electrode	
Heater Current	(A)	0.2		1	Anode	
Anode Voltage	(V)	250		2	-	
Rectified Output	(mA)	100		3	Heater	
				4	Heater	
				5	Cathode	
				<u>DIMENSIONS</u>		
				See K1001/A1/D1.		
				Dimension	Min.	Max.
				A mm	-	122
				B mm	-	45
				<u>PACKAGING</u>		
				See K1005.		
<u>NOTE</u>						
A. At not less than 200 volts.						

TESTS

To be performed in addition to those applicable in K1001.

	Test Conditions		Test	Limits		No. Tested	Note
	Vh (V)	Va (V)		Min.	Max.		
a	40.0 DC	-	Ih (A)	0.18	0.22	100%	
b	Adjusted	25 DC Max.	Ia (voltage drop (mA))	100	-	100%	1
c	Adjusted	250 AC RMS 50 ~	<u>Load Test</u>	There must be no indication of softness or discharge between electrodes.		100%	1
Valves tested in a standard half-wave circuit. Smoothing condenser 8 mfd. Load resistance adjusted so that output current is 120 mA. The voltage across load resistance under these conditions must not be less than 200 volts.							

NOTE

1. Filament current to be adjusted to 0.2 ampere.