

ADMIRALTY SIGNAL ESTABLISHMENT

Specification AD/CV1187/Issue 3. Dated 5.11.46. To be read in conjunction with K1001.	<u>SECURITY</u>	
	<u>Specn.</u> Restricted	<u>Valve</u> Unclassified

<u>TYPE OF VALVE:-</u> Double Diode. <u>CATHODE:-</u> Indirectly Heated. <u>ENVELOPE:-</u> Glass. <u>PROTOTYPE:-</u> D41.			<u>MARKING</u>		
			See K1001/4. <i>PACKAGING SEE K1005</i>		
			<u>BASE</u>		
			B5		
			See K1001/AIV/D5.2.		
<u>RATING</u>			Note		
Heater Voltage (V)	4.0	A	<u>Pin</u>	<u>Electrode</u>	
Heater Current (A)	0.3		1	Diode 1	
Min. Anode Current (mA)	1.0		2	Diode 2	
			3	Heater	
			4	Heater	
			5	Cathode	
<u>CAPACITANCES (pF. approx.)</u>			<u>DIMENSIONS</u>		
Diode 1 to rest	4.8		See K1001/AI/D1.		
Diode 2 to rest	3.7		<u>Dimension</u>	<u>Min.</u>	<u>Max.</u>
			A mm	-	100
			B mm	-	41

NOTES

A. For each anode at $V_a = 10 \text{ V}$.

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	4.0 AC	-		Ih (A)	0.27	0.33	100% or S	
b	4.0 AC	10		Emission (mA)	1.0	-	100%	1
c	See K1001/AIII			<u>Capacitances</u>				
	Links to H.P.	Links to L.P.	Links to E	(pF.)				
	1	2,3,4,5.	6,7,8,9, 10, TC1, TC2.	Diode 1 to rest	4.0	5.6	6 per week	
2	1,3,4,5.	6,7,8,9, 10, TC1, TC2.	Diode 2 to rest	2.9	4.5			
<u>NOTE</u>								
1. Test applied to each diode in turn.								