## VALVE ELECTRONIC CVI147

	ADMIRALTY SIGNAL & RADAR ES	ELECTRONIC VII 4 /							
	Specification AD/CV1147/Iss Dated 28.4.53 To be read in conjunction w		SECURITY Specification Valve Unclassified Unclassified						
	> In	dicate	s a ch	ange					
	TYPE OF VALVE: - Hot-cathode filled, gri	d-		S		MARKING ee Kl001/4.			
	controlled tube.  CATHODE:- Indirectly	BASE USM.B See KlOOl/AIV/Dl.1							
<b>&gt;</b>	ENVELOPE:- Glass. PROTOTYPE:- BT5.			Pin	Electrode				
	RATING		Note	1 2		Heater Cathode	<b>:</b>		
	Heater voltage (V) Heater current (approx.) (A)		E	2 3 4		Grid Heater			
	Max. peak forward anode voltage (V) Max. peak anode	1000		TC Pins 2	and 4		.eo-		
	current (A) Minimum grid control	12.5		trically connected inside the valve					
<b>→</b>	ratio	63 A		TOP CAP					
->		15-40	В	Dimensi		Min.	Max.		
	Max. peak anode current at frequen- cies below 25 c/s. (A)	5		Dia. mm. Length m excludin	m		2 <b>.7</b>		
	NOTES	<u> </u>		DIMENSIONS See KlOOl/AI/DL					
	A. Va = 500V. This ratio	OOV. This ratio applies			n	Min.	Max.		
	when the series grid re does not exceed 10,000			A mm. B mm.		184 79•4	197 81		
	B. Ambient temperature is as the temperature meas	PACKING See KL005							
	with a thermometer with its bulb or junction placed 2 ins. from the glass bulb of the valve, at the cathode end and on a level with the top of the base.								
	C. During testing the valve is to be mounted vertically with anode uppermost in an enclosure screened from draughts, wi ambient temperature between 15°-30°C. except where otherwistated.								
<del>&gt;</del>	D. Before operation or tes mins. with Vh = 5V.	st, th∈	valve	e must be	prehe	eated fo	or 10		

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E. Measured at valve pins.

TESTS

To be performed in addition to those applicable in Kl001. See Notes B, C, D and E.

		Test Conditions				Limits		No.	
		Vh (V)	Va (V)	Vg (V)	Ia (A)	Test	Min.	Max.	Tested
а	<b>.</b>	5.0	-	-	-	Ih (A)	4.2	5.2	100%
b	<u> </u>	to and :	+ive vol node thro increased ge occurs	ough 250 until	O ohms	Va max. prior to striking of discharge (V)	-	70	100%
C		sourc sists	supplied through the whice whice do giv	h series h is ad-	s re-	Va (after 1 min.) (V)	-	16	100%
	đ	2500 bias ohms,	500 es anode ohms. N applied and red aarge occ	egative through uced uni	gr <b>i</b> d 1000	Min. negative grid bias prior to striking of discharge (V)	0	8	100%
	e	bias megoh	500 test 'd applied ms, and dischar	through reduced	10	Change in grid bias from value in test 'd' (V)	•	3	100%