

Specification MAP/CV1127/Issue 6 Dated 5.10.46. To be read in conjunction with K1001	<u>SECURITY</u>	
	<u>Specification</u> RESTRICTED	<u>Valve</u> RESTRICTED

→ Indicates a change

<u>TYPE OF VALVE</u> - Beam Power Tetrode			<u>MARKING</u> See K1001/4		
<u>CATHODE</u> - Indirectly heated.					
<u>ENVELOPE</u> - Glass-Unmetallised					
<u>PROTOTYPE</u> - Pen.46					
<u>RATING</u>			Note	<u>BASE</u> MO	
Heater Voltage (V)	4.0	A	Pin	Electrode	
Heater Current (A)	1.75		1	Heater	
Max. Anode Voltage (V)	330		2	Cathode	
Max. Screen Voltage (V)	220		3	No Connection	
Max. Anode Dissipation (W)	20		4	Screen Grid	
Max. Screen Dissipation (W)	3		5	Control Grid	
Mutual Conductance (mA/V)	8.5		6	No Connection	
Max. Peak Anode Voltage (V)	3000		7	Pin Omitted	
			8	Heater	
			TC	Anode	
<u>CAPACITANCES</u> (μF)			<u>TOP CAP</u> See K1001/A1/D5.1		
Cae	22.0		<u>DIMENSIONS</u> See K1001/A1/D1.		
Cge	6.0				
Cag	1.25				
			Dimension	Min.	Max.
			A (mm)	120	129
			B (mm)	-	55

NOTES

A. $V_a = V_{g2} = 100$, $V_{g1} = 0$.

To be performed in addition to those applicable in K.1001.

	Test Conditions				Test	Limits		No. Tested
	Min.	Max.						
	All valves are to be pre-heated for 6 minutes before test. Under the following conditions:- $V_h = 4.0$, $V_a = V_{g2} = 0$ 150 V.D.C. applied between heater and cathode, the cathode being positive.							
	V_h	V_a	V_{g2}	V_{g1}				
a	4.0	0	0	0	I_h (A)	1.57	1.92	100% or S
b	4.0	300	220	-9.0	I_a (mA)	39	78	100%
c	4.0	300	220	-9.0	Reverse I_{g1} (μA)	-	1.0	100%
d	4.0	300	220	-35	I_a (mA)	-	1.0	5% (100)
e	4.0	300	220	-35	I_{g1} (μA)	-	-1.0	100%
f	4.0	100	220	0	I_a (mA)	119	-	100%
g	4.0	100	220	0 to -9.0	I_a drop (mA)	72	-	100%