

Specification MAP/CV1510/Issue 5 Dated 9.1.46. 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> - R.F. Beam Power Amplifier. <u>CATHODE</u> - Indirectly Heated. <u>ENVELOPE</u> - Glass - lower portion in metal shell.		<u>MARKING</u> See K1001/4	
<u>RATING</u>		Note	<u>BASE</u> B9G
Heater Voltage (V) 6.3 Heater Current (A) 0.6 Max. Anode Voltage (V) 400 Max. Screen Voltage (V) 250 Max. Anode Dissipation (W) 7.5 Max. Screen Dissipation (W) 1.75 Mutual Conductance (mA/V) 3.0 Max. Operating Frequency (Mc/s) 60	A	Pin	Electrode
<u>CAPACITANCES (pF)</u> Cae 5.4 Cgs 8.2 Cag 0.07		9	Heater Anode Screen Grid Screen Grid Shield and beam plates Cathode Control Grid Shield and beam plates Heater
<u>NOTE</u> A:- At $V_a = 250$, $V_{g2} = 135$, $V_{g1} = -10$, $I_a = 30mA$.		<u>DIMENSIONS</u> See K1001/AI/D2, with the metal sole cut away to leave no metal with-in a circle radius 3.2 mm round the anode pin. The groove referred to in note (1) of K1001/AI/D2 need not be included.	

CV1510

TESTS

To be performed in addition to those applicable in K1001.

	Test Conditions				Test	Limits		No. Tested
						Min.	Max.	
a	See K1001/AIII				<u>CAPACITANCES</u> (pF)			6 per week
	Links to H.P.	Links to L.P.	Links to E	1. Cas				
	2	1,3,4,5,6,8,9,10,	7,TC1,TC2.	2. Cgs				
	7	1,3,4,5,6,8,9,10.	2,TC1,TC2.	3. Cag				
	2	7	1,3,4,5,6,8,9,10,TC1,TC2		-	0.09	T.A.	
b	Vh	Va	Vg2	Vg1	Ih (A)	0.54	0.66	100% or S
	6.3	0	0	0				
c	6.3	250	135	-10	Ia (mA)	20	40	100%
d	6.3	250	135	-10	Ig2 (mA)	-	5.0	100% or S
e	6.3	250	135	-10	gm (mA/V)	2.25	3.75	100%
	Peak grid swing -1.0V.max.							
f	6.3	250	135	-10	Reverse Ig1 (uA)	-	2.0	100%
g	6.3	250	135	-50	Ia (mA)	-	1.0	100%
h	6.3	250	250	-100V D.C. plus 100V peak sinusoidal A.C. (50 c.p.s.)	Mean Ia (mA)	25	-	100%