

Specification MAP/CV1018/Issue 7 Dated 5.1.49 To be read in conjunction with K1001.		<u>SECURITY</u>	
		<u>Specification</u> RESTRICTED	<u>Valve</u> UNCLASSIFIED
→ Indicates a change			
<u>TYPE OF VALVE</u> : - Screen grid Tetrode		<u>MARKING</u> See K1001/4	
<u>CATHODE</u> : - Directly heated		<u>PACKING</u> See K1005	
<u>ENVELOPE</u> : - Glass metallised		<u>BASE</u> B4.	
<u>PROTOTYPE</u> : - 215SG			
<u>RATING</u>		<u>Pin</u>	<u>Electrode</u>
Filament voltage (V)	2.0	1	Screen grid
Filament current (A)	0.15	2	Control grid
Max. anode voltage (V)	180	3	Filament and metallising
Max. screen voltage (V)	80	4	Filament
Mutual conductance (mA/V)	1.1	T.G.	Anode
Anode Impedance (MΩ)	0.3	<u>TOP CAP</u>	
Amplification Factor	330	See K1001/AI/D5.4	
<u>CAPACITANCES</u>		<u>DIMENSIONS</u>	
Cag (Max.) (pF)	0.005	See K1001/AI/D1	
		Dimensions	Min. Max.
		A (mm)	- 131
		B (mm)	- 45
Diameter of Valve not to exceed 37mm. up to a height of 58mm. from bottom of pins.			
<u>NOTE</u>			
A: at Va = 120      Vg2 at 60      Vg1 = 0			

To be performed in addition to those applicable in K1001

Test Conditions				Tests		Limits		No. Tested
						Min.	Max.	
a See K1001/AIII using adaptor type 35 Ref. 70A/13331				<u>CAPACITANCES</u>				
Links to H.P.	Links to L.P.	Links to E						
TC1	2	1,3,4,5, 6,7,8,9, 10 TC2		1 Cag	pF	-	0.005	6.per week
Vf(V)	Va(V)	(Vg1)V	(Vg2)V					
b 2.0	0	0	0	If	A	0.135	0.165	100% or S
c 2.0	180	0to-1	60	gm	mA/V	0.9	1.35	100%
d 2.0	180 to 120	0	60	Ia change	mA	0.06	0.24	100% or S
e 2.0	180	0	60	Ia	mA	1.75	3.25	100%
f 1.8	180	-1	60	Ig1	mA	-	1.0	100%
g See K1001/5.8.2.				Microphonic noise Test				100%