

Specification MAP/CV1018/Issue 7
 Dated 5.1.49
 To be read in conjunction with
 K1001.

SECURITY

Specification
 RESTRICTED

Valve
 UNCLASSIFIED

→ Indicates a change

TYPE OF VALVE: - Screen grid
 Tetrode

CATHODE: - Directly
 heated

ENVELOPE: - Glass
 metallised

PROTOTYPE: - 215SG

MARKING

See K1001/4

PACKING

See K1005

BASE

B4.

RATING

Note

Filament voltage (V)	2.0	
Filament current (A)	0.15	
Max. anode voltage (V)	180	
Max. screen voltage (V)	80	
Mutual conductance (mA/V)	1.1	A
Anode Impedance (MΩ)	0.3	A
Amplification Factor	330	A

Pin

Electrode

1	Screen grid
2	Control grid
3	Filament and metallising
4	Filament
T.C.	Anode

TOP CAP

See K1001/A1/D5.4

CAPACITANCES

Cag (Max.) (pF) 0.005

DIMENSIONS

See K1001/A1/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.

NOTE

A: at $V_a = 120$ V_{g2} at 60 $V_{g1} = 0$

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. 10A/13331				<u>CAPACITANCES</u>			6.per week
	Links to H.P.	Links to L.P.	Links to E					
	TC1	2	1,3,4,5,6,7,8,9,10 TC2					
	Vf(V)	Va(V)	(Vg1)V (Vg2)V					
b	2.0	0	0 0	If A				
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%