MINISTRY OF SUPPLY - D.L.R.D.(A)/R.A.E.

VALVE ELECTRONIC

CV1128

Specification MOSA/CV1128 Issue 9 Dated 30.11.55 To be read in conjunction with BS448, BS1409 and K1001, ignoring clause 5.2	SECURITY	
	Specification	Valve
	UNCLASSIFIED	UNCLASSIFIED

→ Indicates a change

TYPE OF VALVE - Argon or Xenon filled, gas discharge triode
CATHODE - Indirectly heated
ENVELOPE - Glass - unmetallised
PROTOTYPES - GT1C, NGT2, VGT128, POVT189

MARKING

See K1001/4

BASE

BS.448/B5

RATING

			Note
Heater Voltage (nom.)	(V)	4	
Heater Current	(A)	1.4	B
Max. Anode Voltage	(V)	500	A
Max. Peak Anode Current	(A)	1	A
Max. Mean Anode Current	(A)	0.3	A,B
Grid Control Ratio		28	
Max. Anode-Cathode Voltage Drop	(V)	16	A

CONNECTIONS

Pin	Electrode
1	a
2	g
3	h
4	h
5	k

DIMENSIONS

See K1001/A1/D1

Dimension		Min.	Max.
A	(mm)	-	120
B at 67 mm from bottom of base	(mm)	-	45.5
C	(mm)	-	37
D	(mm)	-	38

NOTES

A. Absolute Value.

B. Cathode heating time: 30 seconds minimum.
Ia should not be allowed to flow before this time.

Z.10916.R.

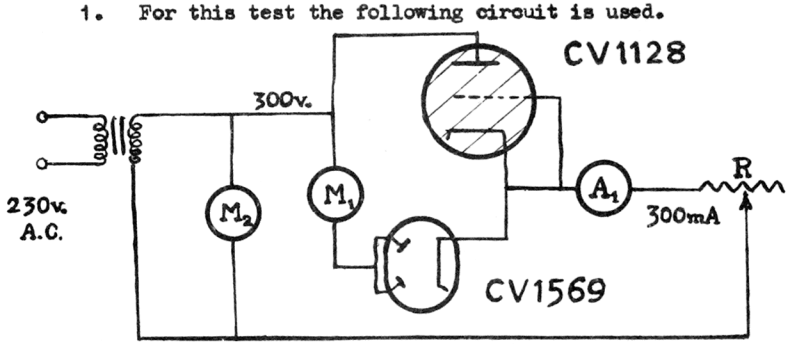
TESTS

To be performed in addition to those applicable in K1001

	Test Conditions				Test	Limits Min.	Limits Max.	No. Tested	Note
a	A voltage of 100v. will be applied with the cathode cold				Cathode-Anode Insulation (MΩ)	20	-	100%	
b	Vh	Vg	Va	Ia(mA)					
	4	0	0	0	Ih (A)	1.2	1.6	100% or S	
c	4	0	300	300	Vak drop (V)	-	6.5	100%	1
d	4	Va = 230v. R.M.S. AC 50 cycles (sinusoidal) applied through suitable resistance. Vg increased in a negative direction until discharge ceases			Vg (V)	-11	-16	100%	
e	4	As in test (d) but with 1MΩ in series with the grid			Grid Leakage (1) Vg (V) (2) Difference in value of (1) above and value of test (d) (V)	-11 -	-15.5 2.0	100% 100%	
f	4	Va = 350v. R.M.S. Other conditions as in test (d)			Vg (V)	-	-45	100%	

NOTES

1. For this test the following circuit is used.



M_1 = 0-20 D.C. Voltmeter 1000Ω/Volt
M_2 = 0-500 A.C. Voltmeter
A_1 = 0-500 D.C. mA Meter
R = Load resistance 1500Ω.