

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

—————> Indicates a change

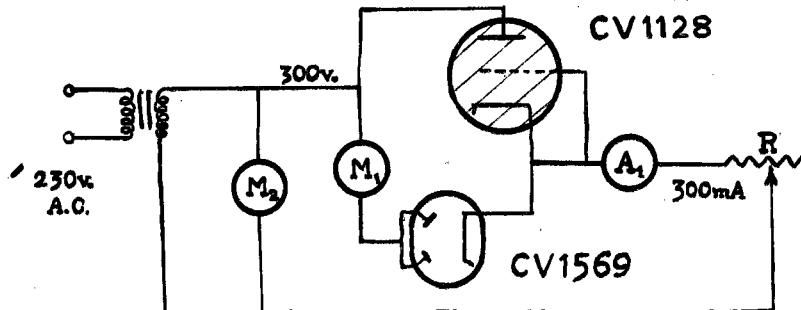
TYPE OF VALVE - Argon or Xenon filled, gas discharge triode CATHODE - Indirectly heated ENVELOPE - Glass - unmetallised PROTOTYPES - GT1C, NGT2, VGT128, FOVT189		<u>MARKING</u> See K1001/4		
		<u>BASE</u> BS.448/B5		
<u>RATING</u>		Note	<u>CONNECTIONS</u>	
Heater Voltage (nom.)	(V) 4		Pin	Electrode
Heater Current	(A) 1.4	B		
Max. Anode Voltage	(V) 500	A		
Max. Peak Anode Current	(A) 1	A	1	a
Max. Mean Anode Current	(A) 0.3	A, B	2	g
Grid Control Ratio	28		3	h
Max. Anode-Cathode Voltage Drop	(V) 16	A	4	h
			5	k
<u>DIMENSIONS</u> 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
<u>NOTES</u>				
A. Absolute Value.				
B. Cathode heating time: 30 seconds minimum. Ia should not be allowed to flow before this time.				

To be performed in addition to those applicable in K1001

	Test Conditions				Test	Limits		No. Tested	Note
						Min.	Max.		
a	A voltage of 100v. will be applied with the cathode cold				Cathode-Anode Insulation ( $M\Omega$ )	20	-	100%	
b	Vh	Vg	Va	Ia(mA)	Ih ( $\mu$ A)	1.2	1.6	100% or S	
	4	0	0	0					
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 $1M\Omega$ in series with the grid			Grid Leakage (1) Vg (V)	-11	-15.5	100%	
					(2) Difference in value of (1) above and value of test (d) (V)	-	2.0	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<sub>1</sub> = 0-20 D.C. Voltmeter 10000/Volt  
M<sub>2</sub> = 0-500 A.C. Voltmeter  
A<sub>1</sub> = 0-500 D.C. mA Meter  
R = Load resistance 1500 $\Omega$ .