MINISTRY OF SUPPLY (DCD)

VALVE ELECTRONIC **CV1128**

(NGT2, VGT128, POVT189)

Specification MAP/CV1128/Issue 7 Dated 5.10.46. To be read in conjunction with K1001 ignoring clause:- 5.2	SECURITY	
	Specification	Valve
	RESTRICTED	RESTRICTED

→ Indicates a change

TYPE OF VALVE - Argon filled, gas discharge triode.

CATHODE - Indirectly heated

ENVELOPE - Glass-unmetallised

PROTOTYPE - GT1C

MARKING

See K1001/4

Supersedes

RATING

		Note
Heater Voltage (nom.) (V)	4.0	
Heater Current (A)	1.3	A
Max. Anode Voltage (V)	500	
Max. Peak Anode Current (A)	1.0	
Max. Mean Anode Current (A)	0.3	A
Grid Control Ratio	28	
Max. Anode-Cathode Voltage Drop (V)	16	

BASE

B5

See K1001/AIV/D5

Pin	Electrode
1	Anode
2	Grid
3	Heater
4	Heater
5	Cathode

NOTES

A. Cathode heating time: 30 secs. min. Ia should not be allowed to flow before this time

DIMENSIONS

See K1001/AI/D1

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

To be performed in addition to those applicable in K1001.

	Test Conditions				Test	Limits		No. Tested
	Vh	Vg	Va	Ia(mA)		Min.	Max.	
a	A voltage of 100 V. will be applied with the cathode cold.				Cathode-Anode Insulation (MΩ)	20	-	100%
b	4.0	0	0	0	Ih (A)	1.2	~~1.45~~ 1.6	100% or S
c	4.0	0	Adjusted	500 (steady)	Vak. Drop (V)	-	16.0	100%
d	4.0	Va = 230 V. RMS. AC 50 cycles (sinusoidal) applied through suitable resistance. Vg increased in a negative direction until discharge ceases.			Vg (V)	-11.0	~~-15.0~~ -16	100%
e	4.0	As in test (d) but with 1 MΩ in series with grid.			Grid Leakage 1. Vg (V) 2. Difference between value in (1) above and value in test (d) (V)	-11.0 -	~~-16.5~~ -16.5 2.0	100% 100%
f	4.0	Va = 350RMS. Other conditions as in test (d)			Vg (V)	-	-45	100%

Supersedes