VALVE ELECTRONIC

CV2259

GENERAL POST OFFICE: E-IN-C (s)

Specification: No. GPO/CV 2259/Issue 2	SECURITY	
Dated: July, 1955	Specification	Valve
→ To be read in conjunction with B.S.1409 and K 1001 ignoring Clause 5.2	Unclassified	Unclassified ←

→ indicates a change

TYPE OF VALVE: Sub-miniature output pentode	MARKING
CATHODE: Directly heated	CV Number, Factory and date code only required
ENVELOPE: Unmetallised glass	
PROTOTYPE DL 68	

RATING			Note
Filament voltage	(V)	1.25	
Nominal filament current	(mA)	25.0	
Max. anode voltage	(V)	45.0	
Max. screen voltage	(V)	45.0	
Mutual conductance	(mA/V)	0.43	A
Max. Cathode Current	(mA)	2.3	

BASE

B5A

(see drawing on page 3)

CONNEXIONS

See drawing on page 3

DIMENSIONS

See drawing on page 3

NOTES

A. Measured with Va = Vg2 = 22.5 and Ia = 0.6 mA

A sharp bend must not be made in any valve lead closer than 1.5 mm to the glass seal and soldered joints in the leads must not be made closer than 5.0 mm to the seal.

Tests

To be performed in addition to those applicable in K 1001

	Test Conditions				Limits		No.	
	Vf	Va(b)	f(c/s)		Min.	Max.	Tested	Note
a	1.25	-	-	If (mA)	-	27.50	100%	
b	1.5	45	-	Ik (mA)	-	2.8	100%	1.2
c	1.5	45	1000	Output measured with an input 1.78V r.m.s. (V)	11	-	100%	1.2
d	1.1	30	1000	Output measured with an 1.78V r.m.s. (V)	7	-	S	1.2
e	1.1	45	1000	Output measured with an input of 1.78V r.m.s. (V)	8	-	S	1.2

NOTES

(1) The equipment used for testing is to be approved by G.P.O.

(2) Measured in Test circuits shown on page 4.

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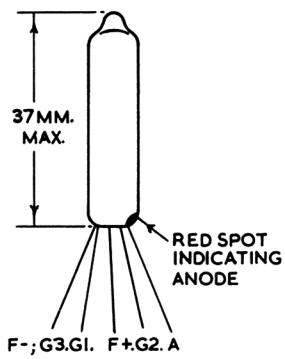
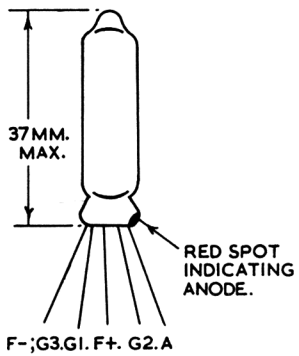
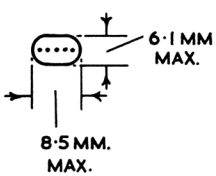
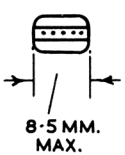
PIN CONNEXIONS & OUTLINE DRAWING









SPACING OF LEADS 1·3 MM.

THE LEADS SHALL BE FLEXIBLE TINNED, COPPER CLAD NICKEL IRON WIRE. 0·34 – 0·48 MM. DIAMETER AND AT LEAST 32 MM. IN LENGTH.

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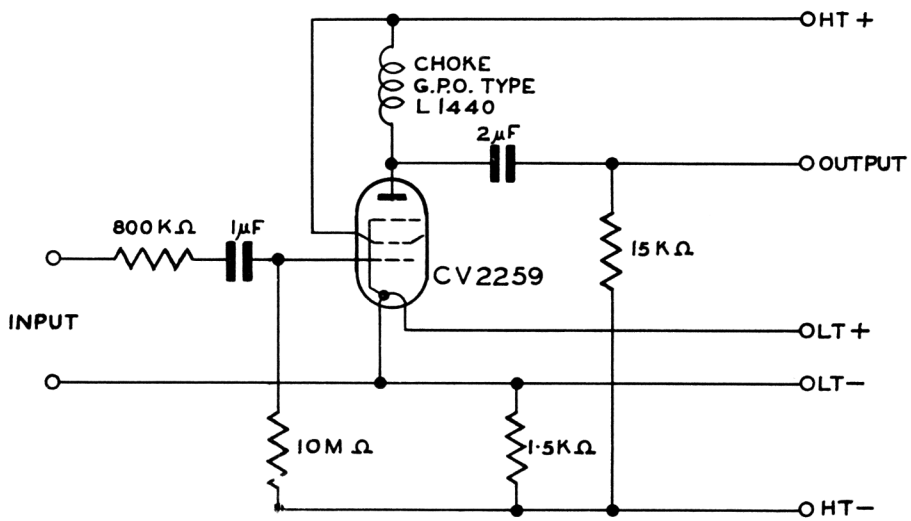
TEST CIRCUIT



NOTES 1. OUTPUT IS MEASURED BETWEEN OUTPUT TERMINAL & LT−

2 CHOKE G.P.O. TYPE L 1440 MAY BE OBTAINED ON APPLICATION TO G.P.O.

3. HT SOURCE IMPEDANCE TO BE LESS THAN 100 OHMS AT THE TEST FREQUENCY.

4. CAPACITANCE BETWEEN HT− & LT− TO BE NOT GREATER THAN 10,000 pF.