ADMIRALTY SIGNAL ESTABLISHMENT

VALVE ELECTRONIC CV171

Specification AD/CV171/Issue 3. Dated 14.11.46. To be read in conjunction with K1001.	SECURITY Specn. Restricted	Valve Unclassified

TYPE OF VALVE:- Vari-mu Tetrode or Pentode.
CATHODE:- Directly heated.
ENVELOPE:- Glass : clear.
PROTOTYPES:- 210 VPT; VS2; W21-4-pin.

Note:- This valve is standardised for use in certain equipment which can accept these diverse types. It should not, therefore, be used in any new design.

MARKING

See K1001/4.

BASE

B4

See K1001/AIV/D5.1

RATING		Note
Filament Voltage (V)	2.0	
Filament Current (A)	0.1	
Max. Anode Voltage (V)	150	
Max. Screen Voltage (V)	60	
Mutual Conductance (mA/V)	1.1	A

Pin	Electrode
1	G2
2	G1
3	F, M & G3 in pentode
4	F
TC	A

NOTE

A. Va = 150 V, Vg2 = 60 V, Vg1 = 0 to -1 V.

TOP CAP

See K1001/AI/D5.1

DIMENSIONS

See K1001/AI/D1

Dimension	Min.	Max.
A mm	-	128
B mm	-	45

PACKING

See K1001/7

TESTS

To be performed in addition to those applicable in K1001

	Test Conditions				Test	Limits		No. Tested
	Vf (V)	Va (V)	Vg2 (V)	Vg1 (V)		Min.	Max.	
a	2.0	-	-	-	If (A)	0.09	0.12	100% or S
b	2.0	150	60	0	Ia (mA)	1.7	4.1	100%
c	2.0	150	60	0	Ig2 (mA)	0.5	3.3	S
d	2.0	150	60	0 to -1	gm (mA/V)	0.7	-	100%
e	2.0	150	60	-1	Reverse Ig1 (µA)	-	1.0	100%
f	2.0	150	60	-10	Ia (mA)	0.01	0.25	100%