VALVE ELECTRONIC

CV1183
(NR61)

ADMIRALTY SIGNAL ESTABLISHMENT

Specification AD/CV1183/Issue 2. Dated 8.11.46. To be read in conjunction with K1001.	SECURITY Specn. Restricted / Valve Unclassified

TYPE OF VALVE:- Variable-μ Screen Pentode
CATHODE:- Indirectly heated
ENVELOPE:- Glass : clear
PROTOTYPE:- W42

MARKING

See K1001/4.

RATING

			Note
Heater Voltage	(V)	4.0	
Heater Current	(A)	0.6	
Max. anode voltage	(V)	250	
Max. screen voltage	(V)	125	
Mutual conductance	(mA/V)	1.5	A

BASE

B7
See K1001/AIV/D5.3

Pin	Electrode
1	No connection
2	Anode
3	Suppressor grid
4	Heater
5	Heater
6	Cathode
7	Screen grid
TC	Control grid

NOTE

A. At Va = 250 V, Vg2 = 125 V, Vg3 = 0, Vg = -3 V.

TOP CAP

See K1001/AI/D5.1

DIMENSIONS

See K1001/AI/D1.

Dimension	Min.	Max.
A mm	-	120
B mm		42

PACKING

See K1001/7.

TESTS

To be performed in addition to those applicable in K1001.

	Test Conditions					Test	Limits		No. Tested
	Vh (V)	Va (V)	Vg2 (V)	Vg3 (V)	Vg1 (V)		Min.	Max.	
a	4.0					Ih (A)	0.5	0.7	1% (20)
b	4.0	250	100	0	-3	Reverse Ig (μA)	-	1.0	100%
c	4.0	250	100	0	-3	Ia (mA)	5.5	9.5	100%
d	4.0	250	100	0	-40	Ia tail. (μA)	2	170	100%
e	4.0	250	100	0	-3	Ig2 (mA)	1.3	2.6	10% (50)
f	4.0	250	100	0	-2.5	Mutual Conductance (mA/V) Grid voltage swing to be ± 0.5 Volt	1.0	2.0	100%