ADMIRALTY SIGNAL ESTABLISHMENT

VALVE ELECTRONIC **CV1161**
(NR27A)

Specification AD/CV1161/Issue 4. Dated 17.6.47. To be read in conjunction with K1001.	SECURITY Specn. Restricted Valve Unclassified

TYPE OF VALVE:- Output Triode.

CATHODE:- Indirectly Heated.

ENVELOPE:- Glass.

PROTOTYPE:- 104V.

MARKING

See K1001/4.

RATING		Note
Heater Voltage (V)	4.0	
Heater Current (A)	1.0	
Max. Anode Voltage (V)	200	
Amplification Factor	9.5	A
Mutual Conductance (mA/V)	3.5	A
Anode Impedance (ohms)	2,850	A

CAPACITANCES (pF. Approx.)

Ca-all	7.5	
Cag	5.0 max.	

BASE

B5

See K1001/AIV/D5.2.

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

DIMENSIONS

See K1001/AI/D1.

Dimension	Min.	Max.
A mm	-	115
B mm	-	51

PACKING

See K1001/7.

NOTE

A. Va = 100 V, Vg = 0 V.

TESTS

To be performed in addition to those applicable in K1001.

	Test Conditions				Test	Limits		No. Tested
	Vh (V)	Va (V)	Vg (V)	Ia (mA)		Min.	Max.	
a	4.0				Ih (A)	0.9	1.2	100% or S
b	4.0	100	-2		Reverse Ig (uA)	-	1.0	100%
c	4.0	100	0	Read	Ia (mA)	15	-	100%
d	4.0	100	0		gm (mA/V)	2.6	4.6	100%
e	4.0	Ad-just-ed	-2	Value noted in test 'c'	Va (V)	115	123	100% or S
f	See K1001/AIII				Capacitances (pF.)			
	Links to H.P.	Links to L.P.	Links to E.					
	1	2,3, 4,5.	6,7,8, 9,10, TC1,TC2		i. Ca-all	6	9	6 per week
	1	2	3,4,5.		ii. Cag	-	5	