VALVE ELECTRONIC **C V 783**
(1S4)

MINISTRY OF SUPPLY (S.R.D.E.)

Specification MOS/CV783/Issue 2 Dated:- 13.11.46 To be read in conjunction with K1001	SECURITY Specification: Restricted Valve: Unclassified

→ indicates a change

TYPE OF VALVE:- Power amplifier pentode
CATHODE:- Directly heated
ENVELOPE:- Glass-unmetallised
PROTOTYPE:- 1S4

MARKING
See K1001/4
Additional marking :-
1S4

RATING		Note
Filament voltage (V)	1.4	
Filament current (mA)	100	
Max. anode voltage	100	
Max. screen voltage	75	
Mutual conductance (mA/V)	1.5	A
Anode impedance (approx.) (MΩ)	0.1	A
Anode current (mA)	7.4	A
Screen current (mA)	1.4	A
Max. cathode current (mA)	11.0	

BASE
B7G

Pin	Electrode
1	F-ve, G3
2	Anode
3	Control grid
4	Screen grid
5	F-ve, G3
6	Anode
7	F+ve

DIMENSIONS
See K1001/AI/D4

Dimension	Min.	Max.
A mm	-	54
B mm	-	19

NOTES

A. Measured at Va = 90, V_{g2} = 67.5, V_{g1} = -7.

TESTS

To be performed in addition to those applicable in K1001

	Test conditions				Test		Limits		No. tested
	Vf	Va	Vg2	Vg1			Min.	Max.	
a	1.4	-	-	-	If	(mA)	88	112	100% or S
b	1.4	90	67.5	-7	Rev.Ig	(uA)	-	1.0	100%
c	1.4	90	67.5	-7	Ia	(mA)	5.1	9.7	100%
d	1.4	90	67.5	-7	Ig2	(mA)	0.85	2.1	100% or S
e	1.4	90	67.5	-7	gm	(mA/V)	1.3	1.85	100%
f	1.1	90	67.5	0	Ia (Note 1)	(mA)	12	-	100%
g	1.4	90	67.5	-16.5	Ia (cut off)	(uA)	-	200	100% or S

NOTES

1. This is a snap test.