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

Specification MOS/CV62/Issue 4 Dated: - 29.9.48	SECURITY		
To be read in conjunction with Kl001	Specification	Valve	
ignoring clauses 5.2, 5.8 and 7.2	Restricted	Unclassified	A

-- indicates a change

TYPE OF VALVE:- Triode CATHODE:- Directly her thoriated to ENVELOPE:- Metal-glass ion	ıngsten		MARKING As in KlOOl/4, ignoring all reference to a frame. Additional marking:- Serial No		
RATING		Note	BASE None		
Filament voltage (V) Filament current (A) Max. anode voltage (kV) Max. anode dissipation (W) Amplification factor Max. operating frequency (Mc/s)	8.25 7.0 9.0 100 16	В	DIMENSIONS AND CONNECTIONS See drawing page 3		

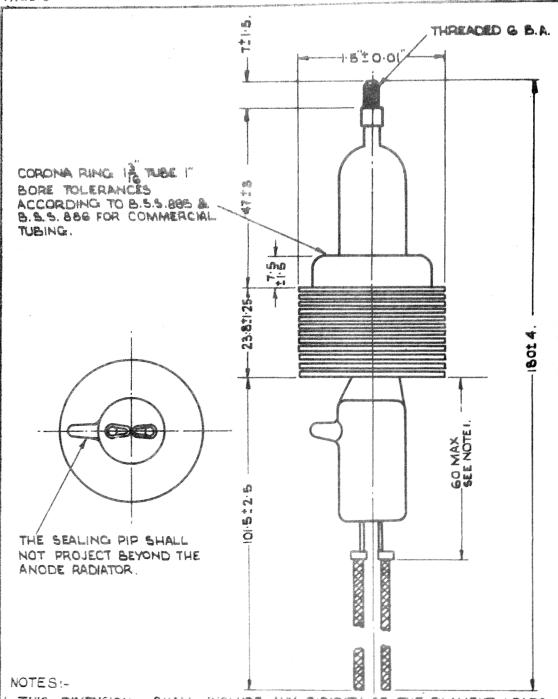
NOTES

- A. At Va = 1.0 kV, Ia = 100 mA.
- B. Forced air cooling must be provided so that the temperature of the anode radiator does not exceed 140°C, measured at the junction of the anode and the cooling fins. A suitable airflow is approximately 8 cu. ft. per minute with a pressure drop across the valve of the order of $l_2^{\frac{1}{2}}$ inches of water. Forced air cooling must be applied before the filament is switched on.
- C. The valve must be mounted vertically.
- D. The attention of equipment designers is drawn to the fragility of the valve seals, and consequently special care should be exercised in the mechanical design of associated circuits.

TESTS
To be performed in addition to those applicable in KLOOL

-	на от въе въе въе при из виденија в придвидени въе в при в при				Limits			
NATIONAL SERVICES	' Test Conditions (See Note B Page 1)			Test	Min. Max.		No:	
enero zuede	Vf	Va Va		l Ia		Minister Company	MARAGE 9	tested
	AI	A 87	Vg	(mA)	THE STATE OF THE S			
a		See Kl001/A	TTT	THE	Direct			
6	MCC Trycopy ways				Capacitance	NI DECEMBER OF THE PERSON OF T		
000					Cag (pF)	3.0	4.5	1%
mediani.					Cge "	1.5	2.9	1% (1)
Ъ	8.25	Raised	Prefer-	Any	Hot Flash		ACTUAL OF SECTION	
and the same of th	AC	slowly to	ably	value	Process	and the state of t		
Consistenti	Consular State	10kV and	auto-	R .	Anode voltage			100%
ENGINE STATE OF THE STATE OF TH		maintained		0.5	maintained at			(Note
DELECTION OF THE PERSON OF THE	NA PARTIE NA PAR	till	bias	and	loky for a	98.51307DE		1)
- Control of Control o	OCCUPATION OF THE PROPERTY OF	flashing		3.0	period of 2	est recting		PACEURACION CO
-		ceases			mins. during which time			
SERVICE	Si Anna	(Note 1)			valve shall	edectorus.		
all description	SER PROPERTY.				show no			
MEGONESI	erio con con con con con con con con con co				signs of	ercicities and		DESCRIPTION OF STREET
paecroses					breakdown			endergenza.
0	8.25		METALON CONTROL TO SERVICE STATES OF THE SER			()	7 (3000
	AC				If (A)	6.4	7.6	100%
d	8.25 AC	1000	Read	100	Vg	-19	-31	100%
e	8.25			7.00	Change in Vg		Oleman .	
National Party Colonial Party Coloni	AC	700	Read	100	from value	14	22	1%
					in (d)		distriction of the second	(1)
2	8.25	Strapped.			Peak space			
ristantense		applied vo		cas	current (A)	7	e can	5%
Salationex		1500 volts					16. Specialis	
entration.		to be perfo					and the same of th	
Paragraph		by an approved					DE STATE DE	
euro-desir-legering	Miles of the state	method	processor processor contracts and the second	material and a second				
g h	0 05	1000	0	10	Vf (V)	449	3.5	100%
D.	8.25 AC	1000	· cop	100	Rev. Ig (µA)	-	10	100%
3	8.25		7000			and the same of	-	formanion
	AC	0	-3000	=	Rev. Ig (µA)	60	20	100%
C. NEDCTON	8.25	Read	-104	4	Va (V)	1325	1700	100%

Note 1. Once the conditions specified in Test Clause (b) have been met, the test conditions need not be repeated for acceptance testing. For this hot flash process there shall be a 500 ohm resistor in series with the applied voltage, and a capacitance of 0.1547 in parallel with the supply voltage on the supply side of the resistor. Note 2. If 100% tests are done under (f), (g) may be omitted. Note 3. The following alternative test to (h) may be made: Under conditions of (g) increase Vf to 9.25 V. Ig must not exceed 104A.



- I. THIS DIMENSION SHALL INCLUDE ANY RIGIDITY OF THE FILAMENT LEADS DUE TO THE SPREAD OF SOLDER FROM THE CONNECTIONS WITH THE TUNGSTEN LEAD OUT WIRES.
- 2. ALL DIMENSIONS ARE IN MILLIMETRES UNLESS OTHERWISE STATED.