

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

Specification MOS/CV1369/Issue 4 Dated:- 21.10.46 To be read in conjunction with K1001	<u>SECURITY</u>	
	<u>Specification</u> Restricted	<u>Valve</u> Unclassified

—————> indicates a change

<u>TYPE OF VALVE:-</u> Transmitting pentode		<u>MARKING</u>		
<u>CATHODE:-</u> Indirectly heated		See K1001/4		
<u>ENVELOPE:-</u> Glass - unmetallised				
<u>PROTOTYPE:-</u> 4061A				
<u>RATING</u>		Note	<u>BASE</u> USM7	
Heater voltage	(V) 6.3		Pin	Electrode
Heater current	(A) 0.8		1	Heater
Max. anode voltage	(V) 500		2	No connection
Max. screen voltage	(V) 250		3	Screen grid
Max. anode dissipation	(W) 10		4	Control grid
Max. screen dissipation	(W) 8		5	Suppressor grid
Max. direct control grid current	(mA) 10		6	Cathode
Max. R.F. control grid current	(A) 4		7	Heater
			TC	Anode
<u>NOTES</u>		<u>TOP CAP</u>		
This valve type is obsolete and this specification is for record purposes only.		See K1001/AI/25.3		
		<u>DIMENSIONS</u>		
		See K1001/AI/D1		
		<u>Dimensions</u>	<u>Min.</u>	<u>Max.</u>
		A mm	-	146
		B mm	-	48
		L mm	-	130

To be performed in addition to those applicable in K1001

	Test conditions					Test	Limits		No. tested
	Vh	Va	Vg1	Vg2	Vg3		Min.	Max.	
a	6.3	-	-	-	-	Ih (A)	0.7	0.9	100% or 3
b	6.3	500	-10	200	0	Ia (mA)	35	65	100%
c	6.3	500	-10	200	0	Ig2 (mA)	-	20	100%
d	6.3	500	-10 to -8	200	0	Ia rise (mA)	4.0	6.0	100%
e	6.3	500	-10	200	0	Rev Ig (uA)	-	4.0	100%
f	6.3	500	-50	200	0	Ia tail (mA)	-	0.2	100%
g	6.3	500	-50	200	0	Ig2 tail (mA)	-	0.1	100%
h	6.3	500	0	150	0 to -40	Decrease in Ia (mA)	8.0	-	100%
j	6.3	50 volts A.C. 50c/s strapped				Cathode Current (mA)	70	-	100%