

MINISTRY OF SUPPLY D.L.R.D.(A)/E.A.E.

Specification MOSA/CV1076 Issue / . Dated 22.11.53 To be read in conjunction with K.1001.	<table> <tr> <th colspan="2"><u>SECURITY</u></th></tr> <tr> <th><u>Specification</u></th><th><u>Valve</u></th></tr> <tr> <td>UNCLASSIFIED</td><td>UNCLASSIFIED</td></tr> </table>	<u>SECURITY</u>		<u>Specification</u>	<u>Valve</u>	UNCLASSIFIED	UNCLASSIFIED
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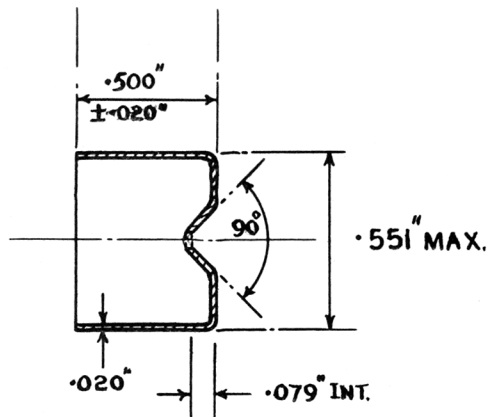
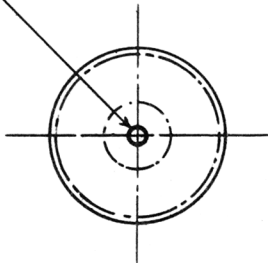
—————> Indicates a change

TYPE OF VALVE - Triode				<u>MARKING</u> See K.1001/4.	
CATHODE - Directly Heated				<u>BASE</u> American Medium 4 pin.	
ENVELOPE - Glass, unmetallised					
PROTOTYPE - DA41					
<u>RATING</u>				<u>CONNECTIONS</u>	
				Pin	Electrode
Filament Voltage	(V)	7.5	Note A A A	1	Filament
Filament Current	(A)	3.10		2	No Connection
Max. Anode Voltage	(V)	1250		3	Grid
Max. Anode Dissipation	(W)	40		4	Filament
Anode Impedance	(Ω)	17,500		Top	Anode
Amplification Factor		62		Cap	
Mutual Conductance	mA/V	3.6			
<u>CAPACITANCES (pF)</u>		1.8 10.0 5.9		<u>TOP CAP</u> See Drawing on Page 2.	
Cas				<u>DIMENSIONS</u> See K.1001/A1/D1.	
Cge					
Cag				Dimension	Min. Max.
				A(mm) B(mm)	145 - 172 62
Diameter of valve not to exceed 55 m.m. up to a height of 51 m.m. from bottom of base.					
<u>NOTES</u> A. Measured at Va = 1000, Vg = 0.					

To be performed in addition to those applicable in K.1001.

Test Conditions					Test	Limits		No. Tested	Note
						Min.	Max.		
	V _F	V _a (kV)	V _g	I _a (mA)					
a	7.5 AC	0	0	-	I _F (A)	2.85	3.35	100% or 8	
b	-	1.5	0	10	V _F (V AC)	-	4.5	100%	
c	7.5 AC	1.0	0	-	I _a (mA)	12	27	100%	
d	7.5 AC	1.0	-	40	(1) Valve to be run for a period of 5 min. I _a change (mA) during this time. The test conditions shall then be altered to those of test d(2)		-	4	100%
	7.5 AC	2.0	-	20	(2) I _g (μA)	-	5	100%	
e	7.5 AC	400V	+80	-	I _e (mA)	230	-	100%	
f	7.5 AC	25V	25	-	I _g (mA)	11	17	100%	

HOLE - $.039 \pm .010$ "



PLUG TOP CAP