

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

Specification MOS/CV1365/Issue 9 Dated:- 21.10.46 To be read in conjunction with K1001, ignoring clauses 5.2 and 5.8.	<u>SECURITY</u>	
	<u>Specification</u> Restricted	<u>Valve</u> Unclassified

→ indicates a change

<u>TYPE OF VALVE:-</u> Transmitting <del>tetrode</del> <sup>TETRODE</sup>		<u>MARKING</u>											
<u>CATHODE:-</u> Directly heated <u>ENVELOPE:-</u> Glass - unmetallised <u>PROTOTYPE:-</u> 4282-BZ		See K1001/4											
<u>RATING</u>		<u>BASE</u>											
		Special 4-pin low loss											
		Note											
Filament voltage (V)	10.0	A	<u>Pin</u>	<u>Electrode</u>									
Filament current (A)	3.0		1	Screen grid									
Max. anode voltage (V)	1000		2	Filament									
Max. screen voltage (V)	250		3	Filament									
Max. anode dissipation (W)	70		4	Control grid									
Max. screen dissipation (W)	5		TC	Anode									
Mutual conductance (mA/V)	1.05												
Max. frequency for above ratings (Mc/s)	20		<u>DIMENSIONS</u>										
<u>CAPACITANCES (pF)</u>		See K1001/AI/D1 and Page 3.											
Cag (max)	0.2	<table border="1" style="width: 100%;"> <thead> <tr> <th>Dimension</th> <th>Min.</th> <th>Max.</th> </tr> </thead> <tbody> <tr> <td>A mm</td> <td>152</td> <td>164</td> </tr> <tr> <td>B mm</td> <td>-</td> <td>65</td> </tr> </tbody> </table>			Dimension	Min.	Max.	A mm	152	164	B mm	-	65
Dimension	Min.	Max.											
A mm	152	164											
B mm	-	65											
<u>NOTES</u>													
A. Measured at $V_a = 1000$ , $V_{g2} = 200$ , $V_{g1} = -45$ .													
This valve type is obsolete and this specification is for record purposes only.													

TESTS

To be performed in addition to those applicable in K1001

	Test conditions					Test	Limits		No. tested
							Min.	Max.	
a	See K1001/ATII					Capacitance (pF)			
	Links to H.P.	Links to L.P.	Links to E						
	TC1	4	1,2,3,5,6,7,8,9,10,TC2			(4) Cag	-	0.2	6 per week.
b	Vf	Va	Vg2	Vg1	Ia (mA)	If (A)	2.7	3.3	100% or S
	10.0	-	-	-	-				
c	A.C.	1000	200	-45	Read	Ia (mA)	30	55	100%
	10.0 D.C.	1000	200	-40	Read				
d	A.C.	1000	200	-45	-	I <sub>g2</sub> (mA)	0.5	10.0	100%
	10.0 D.C.	1000	200	-40	-				
e	A.C.	1000	200	-45/-55	-	Ia change (mA)	8.0	12.5	100%
	10.0 D.C.	1000	200	-40/-50	-				
f	10.0	1000	200	vary	70	Rev. I <sub>g</sub> (uA) Note 1	-	12.0	100%
g	10.0	1000	200	-100	Read	Ia tail (mA)	-	12.0	100%

NOTE

1. After 10 minutes not rising.

