

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

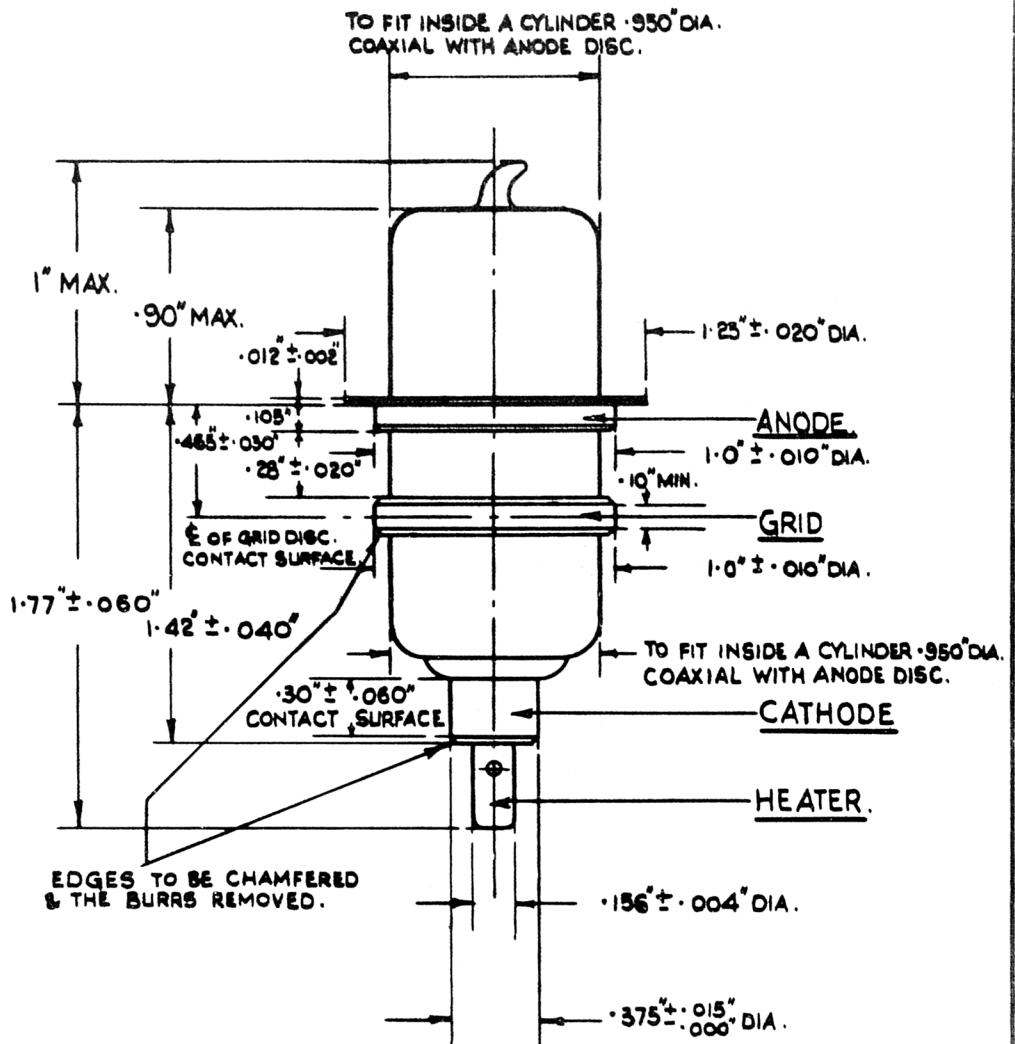
TEST CONDITIONS: Unless otherwise stated.

V_h	V_a
(V)	(V)
6.3	400

Tests	Test Conditions	Insp. Level	AQL %	Symbol	LIMITS		Units
					Min.	Max.	
<u>GROUP A</u>							
Reverse Grid Current (1)	Adjust V_g for $I_a = 50\text{mA}$ Note 1.	100%	-	$-I_{g1}$	-	5.0	μA
Reverse Grid Current (2)	Adjust V_g for $I_a = 2\text{mA}$	100%	-	$-I_{g1}$	-	5.0	μA
Negative Grid Volts (1)	Adjust V_g for $I_a = 50\text{mA}$	100%	-	$-V_g$	6.0	15.0	V
Mutual Conductance	Adjust V_g for $I_a = 50\text{mA}$ Peak grid swing = $\pm 0.5\text{V max.}$	100%	-	gm	8.0	-	mA/V
Negative Grid Volts (2)	Adjust V_g for $I_a = 2\text{mA}$	100%	-	$-V_g$	-	27	V
Peak Emission	Anode and grid strapped. Peak applied voltage = 200V. $T_p = 200\mu \text{ sec.}$ Pulse shape sinusoidal. p.r.f. = 50 c/s.	100%	-	$I_k(\text{peak})$	4.0	-	A
<u>GROUP B</u>							
Heater Current		II	1.5	I_h	0.95	1.1	A
C.W. Power Output	$V_a = 300\text{V. } I_a = 100\text{mA max.}$ $I_g = 40\text{mA max.}$ $f = 470\text{Mc/s. min.}$ Note 2.	II	2.5	P_{out}	10	-	W ←
<u>GROUP C</u>							
Capacitance	To be measured in an approved jig on an R.F. bridge at a frequency of 1Mc/s. Note 3.	IC	6.5	C_{ag} C_{ac} C_{go}	1.9 - 3.0	2.7 0.075 6.0	pF pF pF

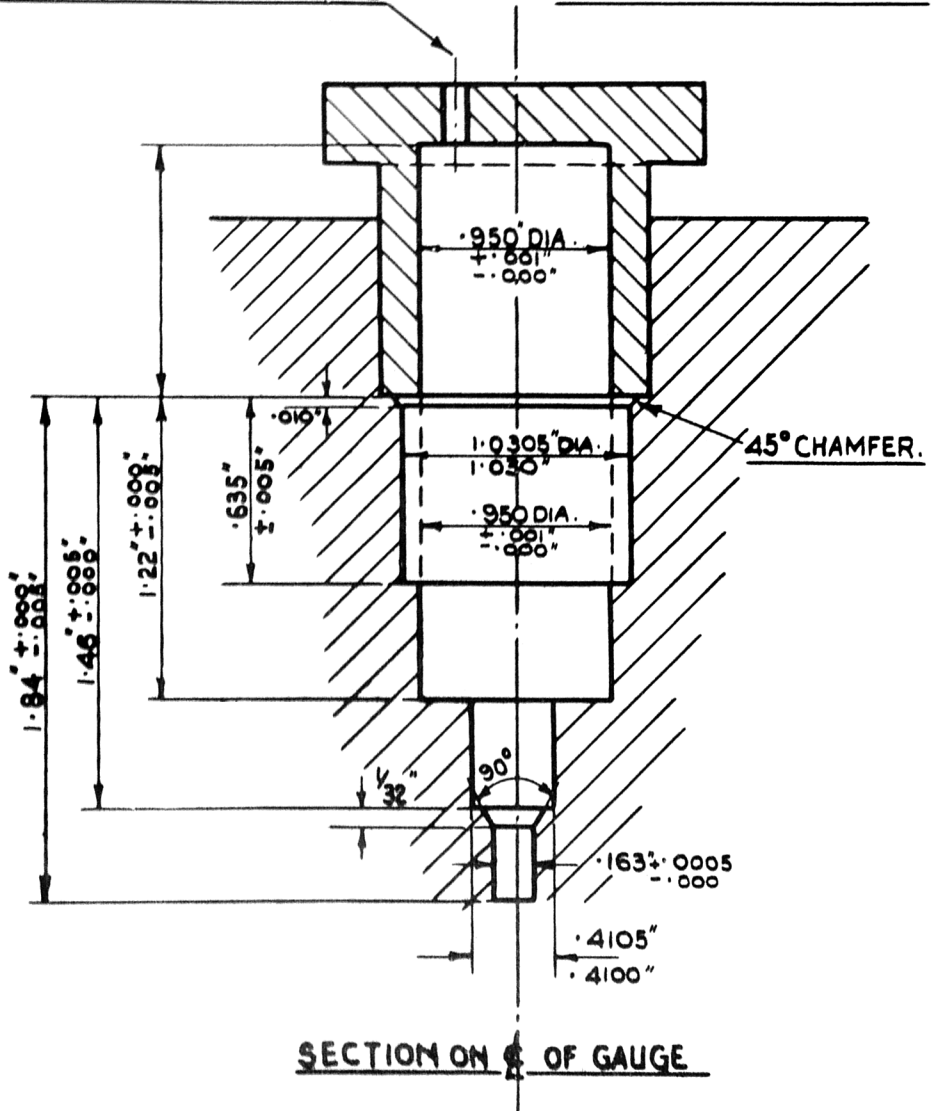
NOTES

1. The valve should be operated under the test conditions for two minutes before the readings are taken.
2. To be measured in an approved circuit.
3. R.A.E. Drawing Number WT.41544 shows a suitable jig for measuring capacitances.



DRILL 1/8" HOLE FOR AIR
RELEASE 7/32" OFF CENTRE.

DIA. HOLE $1.39" = .001"$
DIA. INSERT $1.39" = \pm .0005"$



C.V. 397 CONCENTRICITY GAUGE.

ALL DIMENSIONS IN INCHES.

CV 397/5/4