VALVE ELECTRONIC CV1371
(ATP75/POVT144)

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

Specification MOS/CV1371/Issue 5 Dated 26.7.46 To be read in conjunction with K1001	SECURITY Specification Restricted	Valve Restricted

→ indicates a change

TYPE OF VALVE:-	Transmitting pentode
CATHODE:-	Directly heated, oxide coated
ENVELOPE:-	Glass
PROTOTYPE:-	PZ1 - 75, SW75 PEN

MARKING

See K1001/4

RATING			Note
Filament voltage	(V)	10.0	
Filament current	(A)	2.0	
Max. anode voltage	(V)	1500	
Max. screen voltage	(V)	500	
Max. anode dissipation	(W)	75	
Max. screen dissipation	(W)	20	
Mutual conductance	(mA/V)	1.7	A
Max. frequency	(Mc/s)	22	
CAPACITANCES (pF)			
Cae		20.0	
Cge		26.0	
Cag (max.)		0.06	

BASE AND DIMENSIONS

See Fig.1 page 3

PACKING

See K1001/7.3

NOTE

A. Measured at:-
Va = 1500V
Vg2 = 400V
Vg1 = -135V

TESTS

To be performed in addition to those applicable in K1001

	Test Conditions						Test	Limits Min.	Limits Max.	No. Tested
	See K1001/AIII						Capacitances (pF)			
	Links to H.P.		Links to L.P.		Links to E					
a	TC1		1		2,3,4,5,6, 7,8,9,10, TC2. and metal shell		(i) Cag	-	0.06	T.A.
	Vf DC	Vg1	Vg2	Vg3	Va	Ia (mA)				
b	10.0	-	-	-	-	-	If (A)	1.8	2.2	100% or S
c	10.0	- Maintained for 3 mins.	400	0	1500	60	Rev Ig (uA) This shall not be rising at end of test	-	10.0	100%
d	10.0	-	400	0	1500	50	Vg1 (V)	-115	-145	100%
e	10.0	As in 'd'	400	0	1500	50	Ig2 (mA)	8.0	24.0	100%
f	10.0	De-creased by 10V from value in 'd'	400	0	1500	-	Ia rise from value in 'd' (mA)	15.0	-	100%
g	10.0	-138	400	-	1500	-	Vg3 to give Ia = 50% of value at Vg3 = 0	-200	-400	100%
h	10.0	-200	400	0	1500	-	Ia (Tail) (mA)	-	10.0	100%
j	10.0	150 V A C				-	Ic (mA)	320	-	100%

FIG. 1.

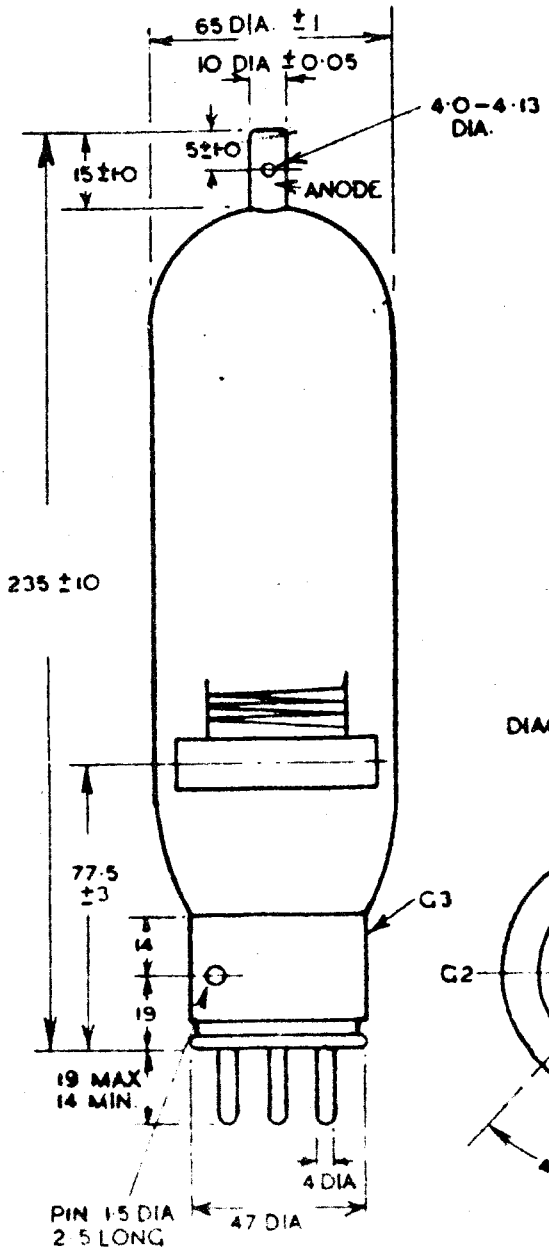
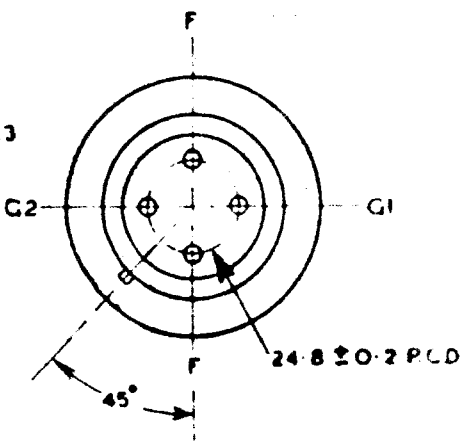


DIAGRAM OF BASE



ALL DIMENSIONS ARE IN MILLIMETRES