MINISTRY OF AIRCRAFT PRODUCTION (D.C.D.)

CV1032
(AR16/VR32)

Specification MAP/CV1032/Issue 7
Dated 9. 2. 46.
To be read in conjunction with K1001

SECURITY	
Specification	Valve
RESTRICTED	RESTRICTED

Indicates a change

TYPE OF VALVE - Class B, Double Triode
CATHODE - Directly Heated, Oxide Coated
ENVELOPE - Glass - unmetallised
PROTOTYPE - 220B

MARKING
See K1001/4

BASE
B7
See K1001/AIV/D5.3.

Pin	Electrode
1	Grid I
2	Grid II
3	Anode II
4	Filament -ve
5	Filament +ve
6	No connection
7	Anode I

RATING

			Note
Filament Voltage	(V)	2.0	
Filament Current	(A)	0.2	
Max. Anode Voltage	(V)	150	
Max. Anode Current Swing	(mA)	35	
Max. Peak Applied Signal (Grid I to Grid II)	(V)	40	
Average Anode Current	(mA)	6.0	A
Static Anode Current (each half)	(mA)	1.25	B
Anode to Anode Load			
1. Va = 90 V.	(Ω)	20,000	
2. Va = 120 V.	(Ω)	12,000	

NOTES

A:- Va = 120
B:- Va = 100, Vg = 0.

DIMENSIONS
See K1001/AI/D1.

Dimension	Min.	Max.
A (mm)	-	111
B (mm)	-	45
C (mm)	-	35

To be performed in addition to those applicable in K1001.

	Test Conditions			Test	Limits		No. Tested
	Vf	Va	Vg		Min.	Max.	
a	2.0 AC or DC	0	0	If (A)	0.18	0.23	100% or S
b	2.0 DC 2.0 AC	120	0	1. Ia (of each half) (mA) DC (mA) AC 2. Difference between Ia of each half (mA)	 0.7 1.8 -	 2.0 3.3 0.5	 100% 100% 100%
c	2.0 DC 2.0 AC	50	10	1. Ia (of each half) (mA) DC (mA) AC 2. Difference between Ia of each half (mA)	 12 13 -	 - - 3.0	 100% 100% 100%
d	2.0 DC 2.0 AC	50	20	1. Ia (of each half) (mA) DC (mA) AC 2. Difference between Ia of each half (mA)	 28 31 -	 - - 6.0	 100% 100% 100%
e	2.0 DC 2.0 AC	150	-1 -2	Reverse Ig (μA)	-	1.0	100%