

Specification M.O.A./CV1763 incorporating MIL-E-1/58 Issue 1A Dated 1.10.63 To be read in conjunction with BS448 and K.1006	<u>SECURITY</u>	
	<u>Specification</u>	<u>Valve</u>
	UNCLASSIFIED	UNCLASSIFIED

TYPE OF VALVE - Miniature Grounded Grid Triode CATHODE - Indirectly heated ENVELOPE - Glass PROTOTYPE - 6J4	<u>MARKING</u> See K.1001/4 Additional Marking:- 6J4
	<u>BASE</u> BS448/B7G (Miniature Button 7-Pin)

<u>RATING</u>		Note	Pin	Electrode
Heater Voltage	(V) 6.3		1	g
Heater Current	(A) 0.4		2	k
Max. Operating Anode Voltage	(V) 165	A	3	h
Max. Heater - Cathode Voltage	(V) 100	A	4	h
Max. Anode Dissipation	(W) 2.5	A	5	g
Max. Cathode Current	(mA) 20	A	6	g
Max. Operating Frequency	(Mc/s) 550		7	a
Mutual Conductance	(mA/V) 12	C		
Amplification Factor	55	C		
<u>DIMENSIONS</u> BS448/B7G/2.1 Size Ref. No. 2				

<u>CAPACITANCES (pF)</u>			Dimensions (mm)	Min.	Max.
Cg, kh	(nom) 5.3	B			
Ca, kh	(max) 0.24	B	A. seated height	-	47.5
Ca, g	(nom) 3.9	B	C. diameter	16.0	19.0
Chk	(nom) 3.6	B	D. overall length	-	54.5
<u>MOUNTING POSITION</u> Any					

<u>NOTES</u>	
A.	Absolute Value
B.	With close fitting metal screen connected to grid
C.	At Va = 165V; Vg1 = - 1.45V (Ia = 14.5 mA)

Tests

The tests specified in MIL-E-1/58, modified as follows shall apply:-

Ref. 4.10.14 CAPACITANCES:
F-6p

		<u>Min</u>	<u>Max</u>	
Shield # 316 tied to Ground.	Cgp:	2.3	3.3	µf
Shield # 316 tied to Ground.	Cg-k+h:	4.0	6.6	µf
Shield # 316 tied to Ground.	Cg-k+h:	-	0.24	µf
Shield # 316 tied to Ground.	Chk:	1.0	4.5	µf

