

SPECIFICATION M.O.S. CV.2466 ISSUE 1 DATED 15.6.59 To be read in conjunction with BS.448, BS.1409 and K1001	SECURITY SPECIFICATION Unclassified	VALVE Unclassified
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TYPE OF VALVE: R.F. Power Double Tetrode. CATHODE: Indirectly Heated. ENVELOPE: Glass, unmetallised. PROTOTYPE: QQV02-6.	MARKING																					
	See K1001/4																					
	BASE																					
	BS.448/B9A																					
RATINGS (All limiting values are absolute)		CONNECTIONS																				
	NOTES	<table border="1"> <thead> <tr> <th>PIN</th><th>ELECTRODE</th></tr> </thead> <tbody> <tr><td>1</td><td>Control grid (1) g1'</td></tr> <tr><td>2</td><td>Cathode + Shield k + s</td></tr> <tr><td>3</td><td>Control grid (2) g1"</td></tr> <tr><td>4</td><td>Heater h</td></tr> <tr><td>5</td><td>Heater h</td></tr> <tr><td>6</td><td>Anode (1) a'</td></tr> <tr><td>7</td><td>Screen Grid (Common) g2</td></tr> <tr><td>8</td><td>Anode (2) a"</td></tr> <tr><td>9</td><td>Heater C.T. h(c.tap)</td></tr> </tbody> </table>	PIN	ELECTRODE	1	Control grid (1) g1'	2	Cathode + Shield k + s	3	Control grid (2) g1"	4	Heater h	5	Heater h	6	Anode (1) a'	7	Screen Grid (Common) g2	8	Anode (2) a"	9	Heater C.T. h(c.tap)
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		BS.448/B9A/2.1 Size Ref. No.3.																				
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		MOUNTING POSITION																				
	Any.																					
NOTES <ul style="list-style-type: none"> A. The valve is internally neutralized for push-pull operation. The neutralizing is optimized for the frequency range 300 to 500 Mc/s. Should the valve be required to operate at lower frequencies it may be found necessary to apply additional external neutralizing. B. Cooling is by radiation and convection. C. Each section. D. Measured without external screen. E. Sections operated in push-pull. 																						

C.V.2466

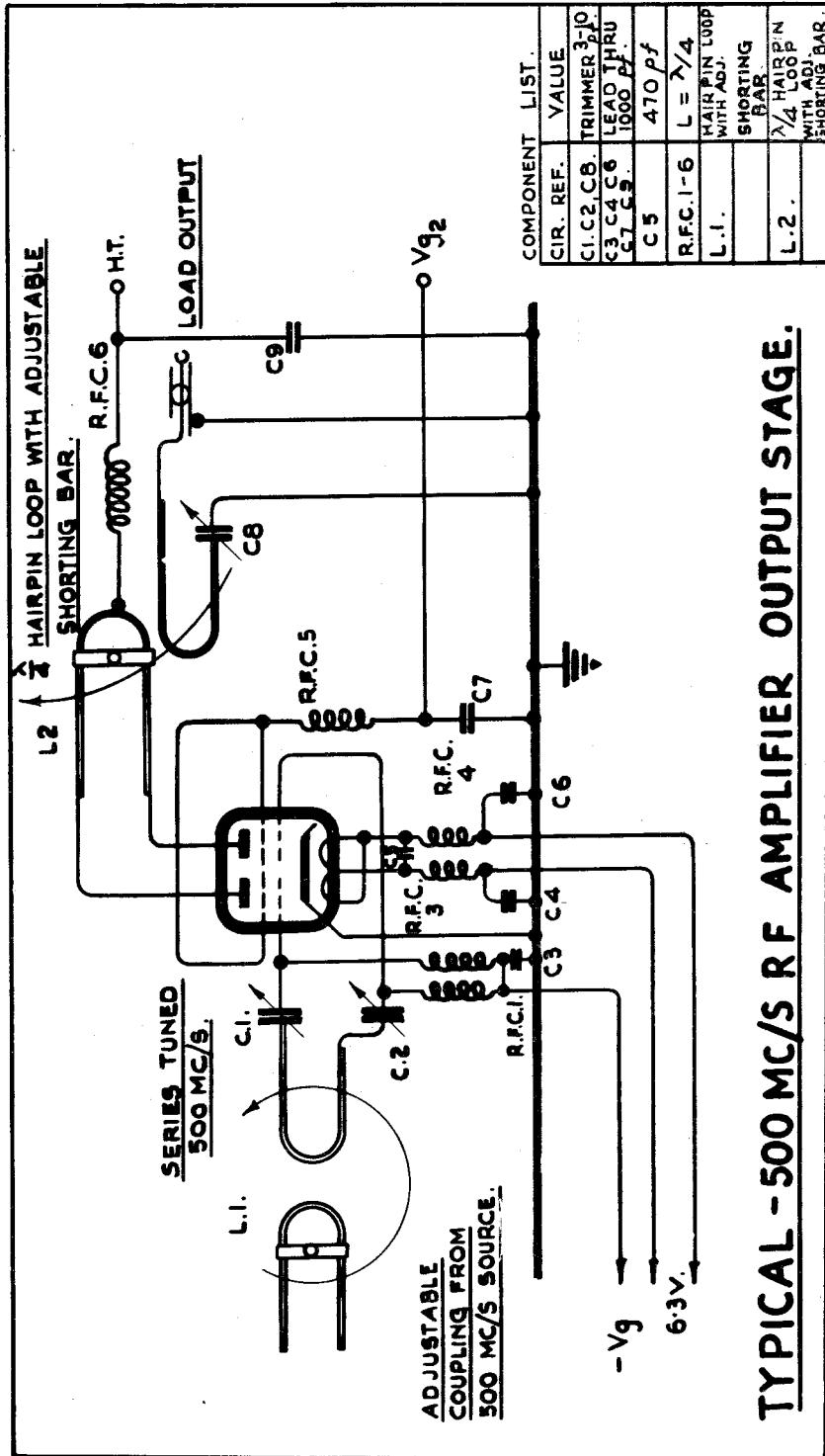
TESTS

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

TEST CONDITIONS:		Unless otherwise stated.																																	
K.1001 REF.	TEST	TEST CONDITIONS	INSP. LEVEL	AQL %	SYMBOL	LIMITS		UNITS																											
						MIN.	MAX.																												
5.3	<u>GROUP A</u>																																		
	Heater Current	Note 1.	100%	-	Ih	0.54	0.66	mA																											
	Heater-Cathode Leakage Current	Vhk = \pm 100V.	100%	-	Ihk	-	4.5 4.5	μ A																											
	Reverse Grid Current	Adj. Vg1 for Ia = 25mA. Notes 2 and 3.	100%	-	-Ig1	-	1.0	μ A																											
	Anode Current (1)	Note 4.	100%	-	Ia	6	34	mA																											
	Screen Current	Note 4.	100%	-	Ig2	1.4	7.6	mA																											
A. III	<u>GROUP B</u>																																		
	Capacitances	Measured on a 1 Mc/s bridge with valve mounted in a fully shielded holder. Valve unscreened. Notes 3 and 6.	IC	6.5	Ca' a" Cg1' g1" Cout Cin	- 0.3 1.5 5.0	0.05 0.6 1.9 7.8	pF pF pF																											
	Dynamic Operation at 500 Mc/s.	Vht = 180V. Vg1 = -25V each section. Ia = 55 mA. Note 5.	I	6.5	Pout Ig2 total Ig1 total	4.5 8.0 - 4.0	20.0 mA mA	Watts																											
<u>NOTES</u>																																			
<ol style="list-style-type: none"> Parallel heater connections. To be read after at least three minutes operation. Each section. Test each section separately, the other section being biased to -50 volts. A typical circuit diagram is shown on page 3. Pin connections: <table border="1"> <thead> <tr> <th>TEST</th> <th>HP</th> <th>LP</th> <th>E</th> </tr> </thead> <tbody> <tr> <td>Ca'a"</td> <td>6</td> <td>8</td> <td>1,2,3,4,5,7,9,C_o</td> </tr> <tr> <td>Cg1'g"</td> <td>1</td> <td>3</td> <td>2,4,5,6,7,8,9,C_o</td> </tr> <tr> <td>Cout</td> <td>6</td> <td>2,4,5,7,9,C_o</td> <td>8,1,3,</td> </tr> <tr> <td></td> <td>8</td> <td>2,4,5,7,9,C_o</td> <td>6,1,3,</td> </tr> <tr> <td>Cin</td> <td>1</td> <td>2,4,5,7,9,C_o</td> <td>3,6,8,</td> </tr> <tr> <td></td> <td>3</td> <td>2,4,5,7,9,C_o</td> <td>1,6,8,</td> </tr> </tbody> </table>								TEST	HP	LP	E	Ca'a"	6	8	1,2,3,4,5,7,9,C _o	Cg1'g"	1	3	2,4,5,6,7,8,9,C _o	Cout	6	2,4,5,7,9,C _o	8,1,3,		8	2,4,5,7,9,C _o	6,1,3,	Cin	1	2,4,5,7,9,C _o	3,6,8,		3	2,4,5,7,9,C _o	1,6,8,
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CV.2466/1/2



CV.2466/1/3