

ADMIRALTY SIGNAL ESTABLISHMENT

Specification AD/CV1165/Issue 3. Dated 20.6.46. To be read in conjunction with K1001.	<u>SECURITY</u>	
	<u>Specification</u> Restricted	<u>Valve</u> Unclassified

<u>TYPE OF VALVE:-</u> R.F. Variable mu-pentode (was Variable mu-screen grid).			<u>MARKING</u> See K1001/4.			
<u>CATHODE:-</u> Indirectly heated.						
<u>ENVELOPE:-</u> Glass.						
<u>PROTOTYPE:-</u> VMS ₄ (Valve now based on MVS/Pen with base and top cap modified).						
<u>RATING</u>			Note	<u>BASE</u>		
Heater Voltage (V) 4.0				B5 See K1001/AIV/D5.2		
Heater Current (A) 1.0				Pin	Electrode	
Max. Anode Voltage (V) 200				1	Screen grid	
Max. Screen Voltage (V) 100				2	Control grid	
Mutual Conductance (mA/V) 2.2				3	Heater	
				4	Heater	
				5	Cathode and suppressor grid	
				TC	Anode	
<u>CAPACITANCES (pFd.approx.)</u>				<u>TOP CAP</u>		
Cgc 12				See K1001/AI/D5.4		
Cac 8				<u>DIMENSIONS</u>		
Cag 0.002				See K1001/AI/D1.		
				Dimension	Min	Max
				A mm	-	145
				B mm	-	45

TESTS

To be performed in addition to those applicable in K1001.

	Test Conditions				Test	Limits		No. Tested
	Vh(V)	Vg1(V)	Vg2(V)	Va(V)		Min	Max	
a	4.0				Ih (A)	0.8	1.2	100% or S
b	4.0	-1.5	100	200	Ia (mA)	2.6	6.0	100%
c	4.0	-1 to -2	100	200	Slope (mA/V)	1.6	-	100%
d	4.0	-1.5	100	200	Reverse grid current (uA)	-	1.5	100%
e	4.0	-16	100	200	Ia (mA)	0.01	0.4	100%