

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

<p><u>TYPE OF VALVE:-</u> R.F. Variable mu-pentode (was Variable mu-screen grid).</p> <p><u>CATHODE:-</u> Indirectly heated.</p> <p><u>ENVELOPE:-</u> Glass.</p> <p><u>PROTOTYPE:-</u> VMS4 (Valve now based on MVS/Pen with base and top cap modified).</p>	<p><u>MARKING</u></p> <p>See K1001/4.</p>
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<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%