

VALVE ELECTRONIC

CV5068

GENERAL POST OFFICE: B-IE-C (S)

Specification: GPO/CV5068/Issue 1 Dated: July, 1957. To be read in conjunction with K1001, BS 448 and BS 1409	<u>SECURITY</u>	
	<u>Specification</u> Unclassified	<u>Valve</u> Unclassified

→ indicates a change

<u>TYPE OF VALVE:</u> Triode power amplifier <u>CATHODE:</u> Directly heated thoriated tungsten <u>ENVELOPE:</u> Glass unmetallised <u>PROTOTYPE:</u> BS 75H		<u>MARKING</u> See K1001/4	
<u>RATING</u> Filament voltage (V) 10.0 Filament current (A) 4.4 Max. anode voltage (V) 1000 Max. anode dissipation (W) 75 Amplification factor 11 Anode impedance (ohms) 3200 Mutual conductance (mA/V) 3.4 Max. operating frequency (Mc/s) 2		<u>BASE</u> BS 448/B4F	
		<u>CONNECTIONS</u>	
		Pin	Electrode
		1	Filament <i>grid</i>
		2	Anode <i>Filament</i>
		3	Grid <i>Grid</i>
		4	Filament
		<u>DIMENSIONS (mm)</u> See K1001/A1/D1	
		Dimension	Min. Max
		B	- 60
		L	- 200
<u>NOTES</u>			
A. When mounted horizontally, the plane of the filament should be vertical.			

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TESTS

To be performed in addition to those applicable in K 1001

Test Conditions					Test	Limits		No. Tested	Note
	Vf (Vac)	Va (V)	Vg (V)	Ia (mA)		Min	Max		
a	10.0				If (A)	4.0	4.8	100%	
b	10.0	1000		75	Reverse Ig (μA)	-	10	100%	
c	10.0	1000	-70		Ia (mA)	65	-	100%	
d	10.0	1000	-60		Ia (mA)	105	-	100%	
e	10.0	1000	-55		Ia (mA)	130	-	100%	
f	10.0	1000	-50		Ia (mA)	155	-	100%	
g	10.0	Grid and anode strapped Peak applied volts = 2000 See K 1001/A.V.			Ie (A)	3	-	100%	