

MINISTRY OF AVIATION - R.R.E.

Specification MOA/CV6172 Issue 1 Dated 17th January 1966 To be read in conjunction with K1001 and BS448	<table border="1"> <tr> <th colspan="2">SECURITY</th></tr> <tr> <td>Specification</td><td>Valve</td></tr> <tr> <td>Unclassified</td><td>Unclassified</td></tr> </table>	SECURITY		Specification	Valve	Unclassified	Unclassified
SECURITY							
Specification	Valve						
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<u>TYPE OF VALVE:-</u>	Cathode Ray Tube	<u>MARKING</u>
<u>TYPE OF DEFLECTION:-</u>	Magnetic	See K1001/4
<u>TYPE OF FOCUS:-</u>	Magnetic	<u>SIDE CONTACT</u>
<u>TYPE OF ELECTRON GUN:-</u>	Tetrode	See specification CV6130
<u>BULB:-</u>	Glass, internally coated with conductive coating	<u>BASE</u>
<u>SCREEN:-</u>	009 Aluminium backed	BS448 - B12A
<u>PROTOTYPE:-</u>	CV6130, 12-08 HM	With short metal shell or approved alternative

<u>RATINGS AND CHARACTERISTICS</u>	<u>CONNECTIONS</u>		
For details see latest issue of CV6130	Pin	Electrode	
	1	Heater	h
	2	Grid	g
	3	No pin	
	4	No pin	
	5	No pin	
	6	No connection	
	7	No connection	
	8	No pin	
	9	No pin	
	10	First anode	a ₁
	11	Cathode	k
	12	Heater	h
	Side Contact	Second anode	a ₂
	<u>NATO STOCK NUMBER</u> 5960-99-037-4507		

<u>TESTS</u>								
The tests required by specification CV6130 shall be performed except as follows:-								
K1001	Test	Test Conditions	AQL %	Insp. Level	Sym-bol	Limits		Units
						Min	Max	
5A.17	Persistence measured as decay time to 0.014 foot-lamberts. See Note	No focus field. Vg adjusted to give screen luminance to 2 foot-lamberts. Linear raster of convenient size. Uniform screen excitation; Excitation time = 120 ± 15 secs	2.5	I		208	-	secs
<u>NOTE:</u> To allow for screen temperature coefficient, the minimum decay time limit at any temperature between 15°C and 30°C which is "n" °C above 15°C is:- $208 (1 - 0.04)^n \text{ seconds}$								