

# Mullard

## CATHODE RAY TUBES

### Symbols and Designations for Cathode Ray Tubes.

Anode	...	...	...	...	...	...	...	...	...	a
Cathode	...	...	...	...	...	...	...	...	...	k
Filament or Heater	...	...	...	...	...	...	...	...	...	f
Grid	...	...	...	...	...	...	...	...	...	g
Deflector Plate	...	...	...	...	...	...	...	...	...	D

When referring to the deflector plates in such a manner as to distinguish between the plates nearest the cathode and those nearest the screen, they may be referred to as D1 and D1' and D2 and D2' respectively. In diagrams the plates giving a horizontal deflection are indicated by DX1 and DX2, and the plates giving a vertical deflection by DY1 and DY2. The plate DX1 shall be the left-hand plate, and DY1 the top plate. It is assumed that the tube is being viewed from the screen end.

Filament or Heater Voltage	...	...	...	...	...	...	Vf
Anode Voltage	...	...	...	...	...	...	Va1-Va2, etc.

Anodes to be numbered progressively outwards from the cathode.

Grid Voltage	...	...	...	...	...	Vg
Filament or Heater Current	...	...	...	...	...	If
Capacity between Grid and all other Electrodes	...	...	...	...	Cg	
Capacity between Deflector Plates nearest the Cathode	...	...	...	...	CD1-D1'	
Capacity between Deflector Plates nearest the Screen...	...	...	...	...	CD2-D2'	

Electrostatic Deflection Sensitivity at the Deflection Plates nearest the Cathode expressed in m.m. deflection at the Screen per volt D.C. between the plates, at a given Anode Voltage ... N1

As a Deflection Constant by the product N1. Va ... K1

Electrostatic Deflection Sensitivity at the Deflector Plates nearest the Screen expressed in m.m. Deflection at the Screen per volt D.C. between the Plates at a given Anode Voltage ... N2

As a Deflection Constant by the product N2. Va ... K2

Magnetic Sensitivity at the Coil nearest the Cathode with a given coil and coil disposition, expressed in m.m. deflection at the Screen per ampere turn ... Y1

Magnetic Sensitivity at the Coil nearest the Screen with a given coil and coil disposition, expressed in m.m. deflection at the Screen per ampere turn ... Y2

Slope, change of the total beam current per volt change at the Grid, expressed in  $\mu$ A per volt ... S

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