

4 VALVE DATA PREFERRED TYPES

J OSCILLOSCOPE AND PICTURE TUBES

DB4-2 High Vacuum Oscilloscope Tubes with
DG4-2 $1\frac{1}{2}$ in. diameter screens.
DR4-2

Preliminary
Data

HEATER

V_h	6.3	V
I_h	0.4	A

CAPACITANCES

$C_{y'}-all$	4.4	μF
$C_{y''}-all$	4.4	μF
$C_{x'}-all$	5.0	μF
$C_{x''}-all$	5.4	μF
$C_{y'y''}-all$	0.5	μF
$C_{x'x''}-all$	0.8	μF
$C_{y'y''}-x'x''$	0.1	μF
C_g-all	9.0	μF

LUMINESCENT COLOUR

DB4-2	Blue. Short persistence
DG4-2	Green. Medium persistence
DR4-2	Long persistence

DEFLECTION

Double electrostatic
Y plates suitable for symmetrical operation
X plates suitable for asymmetrical operation

FOCUSING Electrostatic

OPERATING CONDITIONS

V_{a2}	800	1,000	V
V_{a1}	200 to 300	260 to 360	V
$*V_g$	0 to -50	0 to -60	V

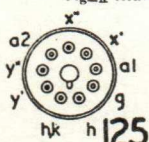
* Grid must never be allowed to become positive with respect to the cathode

DEFLECTION SENSITIVITY

V_{a2}	800	1,000	V
X plates	0.16	0.13	mm/V
Y plates	0.26	0.21	mm/V

LIMITING VALUES

V_{a2} max.	1,000	V
V_{a2} min.	800	V
V_{a1} max.	360	V
V_g max.	0	V
$-V_{g1}$ max.	60	V
$V_{x'-x''}$ (pk) max.	750	V
$V_{y'-y''}$ (pk) max.	450	V
p_t max.	3	mW/cm ²
R_{g-k} max.	0.5	M Ω



BASE
B9G

DIMENSIONS :
L=160 mm
D= 44 mm

125

