

4 VALVE DATA PREFERRED TYPES

J OSCILLOSCOPE AND PICTURE TUBES

DB7-6
DG7-6
DR7-6

Preliminary
Data

High Vacuum Oscilloscope Tubes with
2 3/4 in. diameter screens

HEATER	V_h	6.3	HEATER	V
	I_h	0.4		V

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

DB7-6	Blue. Short persistence
DG7-6	Green. Medium persistence
DR7-6	Long persistence

DEFLECTION

- Double electrostatic
- Y plates suitable for symmetrical operation
- *X plates suitable for asymmetrical operation
- * It is essential that plate x'' be connected to a_2

FOCUSING Electrostatic

OPERATING CONDITIONS

V_{a_2}	800	V
V_{a_1}	200 to 300	V
* V_g	0 to -50	V

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

DEFLECTION SENSITIVITY ($V_{a_2}=800$ V)

X plates	0.16	mm/V
Y plates	0.26	mm/V

LIMITING VALUES

V_{a_2} max.	1,000	V
V_{a_2} min.	800	V
V_{a_1} max.	400	V
V_g	0	V
$-V_g$ max.	100	V
$v_{x'-x''}$ (pk) max.	750	V
$v_{y'-y''}$ (pk) max.	450	V
p_i max.	3	mW/cm ²
R_{g-k} max.	0.5	M Ω



BASE :
B9G

DIMENSIONS :
L=160 mm
D= 71 mm

