

for asymmetrical operation with low operating voltages

Application

low anode voltage indicator tube for asymmetrical operation in direction D_{12}

System Structure

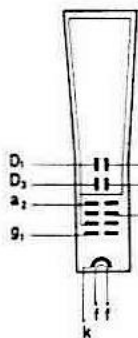
Arrangement of Electrodes:

Base Connections

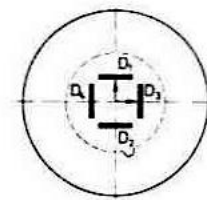
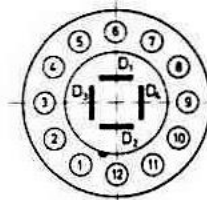
(bottom view)

Deflection

(viewed from screen end)



- 1 — f
- 2 — g_1
- 3 — k_1
- 4 — a_{11}
- 6 — D_{33}
- 7 — D_{44}
- 8 — a_{22}
- 9 — D_{11}
- 10 — D_{22}
- 12 — f



Deflection Method: electrostatic, D_{12} asymmetrical (D_1 must be connected to a_2), D_{34} symmetrical

Focusing Method: electrostatic

Heating

$U_f = 6.3 \text{ V}$
 $I_f = 300 \text{ mA}$

Maximum Ratings

$U_{a2} = 0.8 \text{ kV}$
 $U_{a1} = 0.2 \text{ kV}$

Accessories

Socket: VST 10
 Metallic Shield: ART-K461

Base

Small-Shell Duodecal, 12-pin, JETEC No. B12-43

Minimum Useful Screen Diameter 63 mm

Typical Operation

$U_{a2} = 0.5 \text{ kV}$
 $U_{a1} = 0 \dots 120 \text{ V}$
 $-U_{g1 \text{ cut off}} = 50 \dots 100 \text{ V}$
 $d_{12} = 33.3 \dots 41.5 \text{ V/cm}$
 $d_{34} = 18.8 \dots 23.2 \text{ V/cm}$