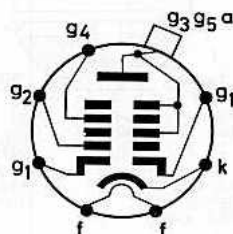


Black and White Picture Tubes

A 44-280 W

A 44-281 W

44 cm rectangular picture tube with 110° deflection angle, electrostatic focusing, aluminized screen and steel reinforcement



1. Generalities

Electron Gun	Tetrode with Einzel-Lens
Heating Time ⑬	5 s (approx.) A 44 - 281 W
Bulb	All-Glass Type
Base	Special Miniature (7 Pins)
Focusing Method	Electrostatic
Deflection Method	Magnetic
Deflection Angles	Diagonal 110° Horizontal 99° Vertical 82°
Neck Diameter	20 mm
Face	Shape Spherical Material Filter-Glass (Light Transmission 52 % approx.)
Screen	Phosphor P4 Aluminized
Fluorescence Colour	White
Colour Temperature	12 000 °K (approx.)
Minimum Useful Dimensions	346 x 270 mm Diagonal 413 mm
Overall Length	284 mm max.
Weight	5,6 kg (approx.)

Implosion protection by steel reinforcement.
Admitted by Association of
German Electrical Engineers, VDE.

2. Typical Operating Conditions ①

U_i ⑭	11 V
I_f	approx. 74 mA
U_{g3g5a} ⑦	13 13 kV
U_{g2}	200 ... 350 ⑮ 250 V
U_{g4} ③	0 ... 350 0 ... 350 V
U_k cutoff ④	45 32 ... 58 V

3. Maximum Ratings

U_{g3g5a} max ⑤ ⑦	14 kV
U_{g3g5a} min ⑥ ⑦	10 kV
U_{g4} max	450 V
$(-U_{g4})$ max	50 V
U_{g2} max	350 V
U_{g2} min	200 V
U_k max	100 V
U_k min	0 V
$U_{k p}$ max ⑧	350 V
$R_{k/g1}$ max	1,5 MΩ
$Z_{k/g1}$ max	0,5 MΩ
$U_{\pm f/k}$ max ⑨	110 V
$U_{\pm f/k p}$ max	130 V
$R_{f/k}$ max ⑪	1 MΩ
$Z_{f/k}$ max ⑫	0,1 MΩ

4. Ratings for Circuit Design

I_{g2}	$\sum$ $\pm$ 5 μ A
I_{g4}	$\sum$ $\pm$ 25 μ A
$I_{m/m'}$	$\sum$ 2 MΩ

5. Capacitances

C_{g1}	approx. 6 pF
C_k	approx. 5 pF
$C_{g3g5a/m}$ max	1500 pF
$C_{g3g5a/m}$ min	1000 pF
$C_{g3g5a/m'}$ max	550 pF

A 44-281 W

[illegible]

Reference line gauge see page 10