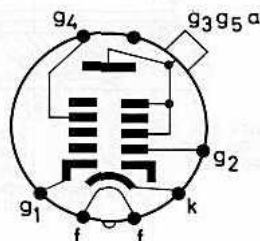


Black and White Picture Tubes

AW 17-69 and A 17-69 ...

For Replacement

17 cm rectangular picture tube, aluminized screen, for industrial television



1. Generalities

Type	Fluorescence Colour	Persistence
AW 17-69	Whitish	Medium
A 17-69 BE	Blue	Medium Short
A 17-69 GJ	Yellowish-Green	Medium
A 17-69 GM	Purplish-Blue	Long
A 17-69 LF	Orange	Long

2. Typical Operating Conditions

U_f ②	6,3 V
I_f	$0,3 \pm 6\%$ A
U_{g3g5a}	14 kV
U_{g2}	300 400 V
U_{g4} ⑤	0 ... 400 0 ... 400 V
$(-U_{g1})$ cutoff ④	35 ... 75 48 ... 102 V

3. Maximum Ratings

U_{g3g5a} max ⑤	16 kV
U_{g3g5a} min ⑥	12 kV
U_{g4} max	460 V
U_{g2} max	460 V
U_{g2} min	200 V
U_{g1} max	0 V
$(-U_{g1})$ max	150 V
U_{g1} p max	2 V
$(-U_{g1})$ p max ⑧	400 V
P_{lm} max	10 mW/cm ²
R_{g1} max	1,0 M Ω
Z_{g1} max	0,5 M Ω

Electron Gun	Tetrode with Einzel-Lens
Bulb	All-Glass Type
Base	Duodecal DIN 41536 with 7 Pins
Focusing Method	Electrostatic
Deflection Method	Magnetic
Deflection Angles	Diagonal 70° Horizontal 60° Vertical 50°
Neck Diameter	36,5 mm
Face Shape	Flat
Material	Clear Glass
Screen	Phosphor P4 Aluminized
Minimum Useful Dimensions	96 x 126 mm Diagonal 155 mm
Overall Length	256 $\pm$ 10 mm
Weight	0,7 kg (approx.)

$R_{f/k}$ max ⑪	1,0 M Ω
$Z_{f/k}$ max ⑫	0,1 M Ω
$U_{-f/k}$ max 1 ⑨ ⑩	410 V
$U_{-f/k}$ max 2 ⑨ ⑩	250 V
$U_{-f/k}$ p max	300 V
$U_{+f/k}$ max	135 V
$U_{+f/k}$ p max	180 V
R_{g1} min	150 Ω
R_{g2} min	470 Ω
R_{g4} min	470 Ω
R_{g3g5a} min	16 k Ω

4. Ratings for Circuit Design

I_{g2}	$\leq \pm 5 \mu A$
I_{g4}	$\leq \pm 25 \mu A$

5. Capacitances

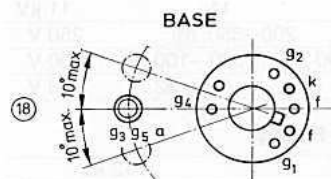
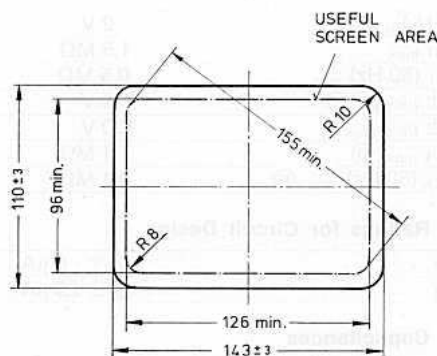
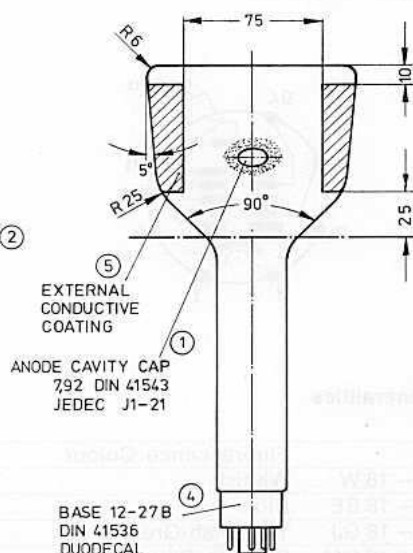
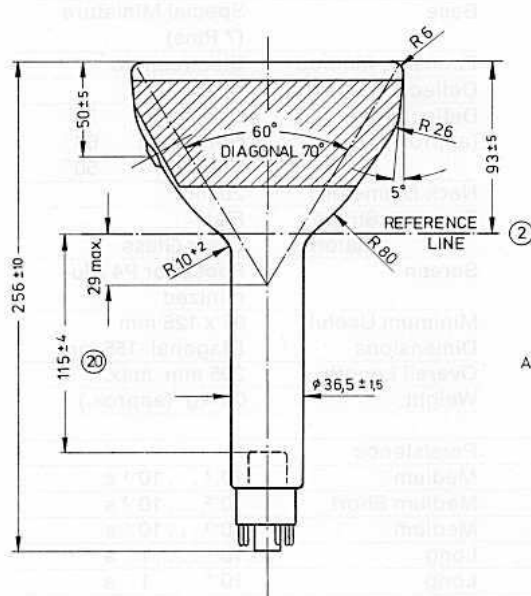
C_{g1}	approx. 7 pF
C_k	approx. 5 pF
$C_{g3g5a/m}$ min	400 pF
$C_{g3g5a/m}$ max	800 pF

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Dimensional Drawings in mm



AW 17-69

O Notes see pages 8 and 9

Reference line gauge see page 10