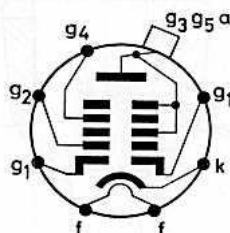


Black and White Picture Tubes

M 17-18 W

For Replacement

17 cm rectangular monitor tube with 70° deflection angle, electrostatic focusing, and aluminized screen



Electron Gun	Tetrode with Einzel-Lens	
Bulb	All-Glass Type	
Base	Special Miniature (7 Pins)	
Focusing Method	Electrostatic	
Deflection Method	Magnetic	
Deflection Angles (approx.)	Diagonal	70°
	Horizontal	60°
	Vertical	50°
Neck Diameter	20 mm	
Face	Shape	Flat
	Material	Clear Glass
Screen	Phosphor P4 Aluminized	
Minimum Useful Dimensions	95 x 125 mm	
	Diagonal 155 mm	
Overall Length	205 mm max.	
Weight	0,7 kg (approx.)	

1. Generalities

Type	Fluorescence Colour	Persistence
M 17 - 18 W	Whitish	Medium $10^{-3} \dots 10^{-1}$ s
M 17 - 18 BE	Blue	Medium Short $10^{-5} \dots 10^{-3}$ s
M 17 - 18 GJ	Yellowish-Green	Medium $10^{-3} \dots 10^{-1}$ s
M 17 - 18 GM	Purplish-Blue	Long $10^{-1} \dots 1$ s
M 17 - 18 LF	Orange	Long $10^{-1} \dots 1$ s

2. Typical Operating Conditions ①

U_f ⑭	11 V
I_f	approx. 74 mA
U_{g3g5a}	11 11 kV
U_{g2}	200-350 ⑮ 250 V
U_{g4} ③	-100 ... + 300 -100 ... + 300 V
U_k cutoff ④	45 32 ... 58 V

$(-U_k)_p \text{ max}$	2 V
$R_{n1} \text{ max}$	1,5 MΩ
$Z_{g1} (50 \text{ Hz}) \text{ max}$	0,5 MΩ
$U_{\pm f/k} \text{ max}$ ⑨	110 V
$U_{\pm f/k p} \text{ max}$	130 V
$R_{f/k} \text{ max}$ ⑪	1 MΩ
$Z_{f/k} (50 \text{ Hz}) \text{ max}$ ⑫	0,1 MΩ

3. Maximum Ratings

$U_{g3g5a} \text{ max}$ ⑤	12 kV
$U_{g3g5a} \text{ min}$ ⑥	7,5 kV
$U_{g4} \text{ max}$	450 V
$(-U_{g4}) \text{ max}$	100 V
$U_{g2} \text{ max}$	450 V
$U_{g2} \text{ min}$	180 V
$U_k \text{ max}$	100 V
$U_k \text{ min}$	0 V
$U_k p \text{ max}$ ⑧	350 V

4. Ratings for Circuit Design

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

5. Capacitances

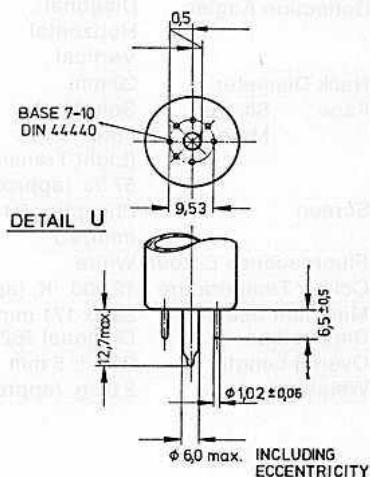
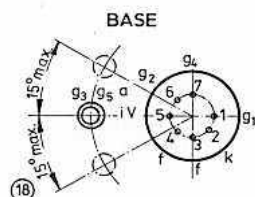
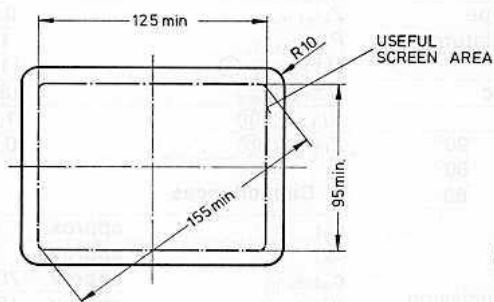
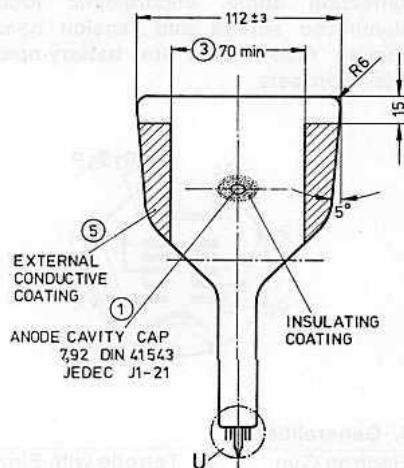
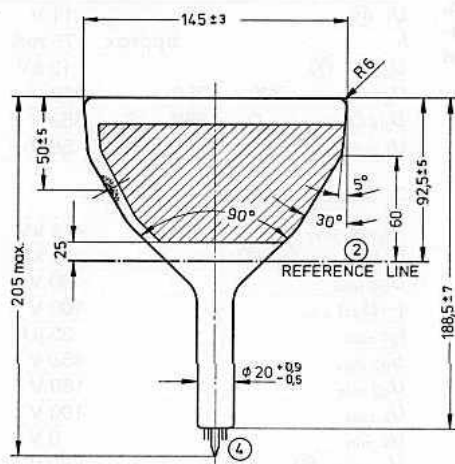
C_{n1}	approx. 6 pF
C_k	approx. 3 pF
$C_{g3g5a/m}$	approx. 350 pF

Black and White Picture Tubes

M 17-18 W

For Replacement

Dimensional Drawings in mm



M17-18W

Notes see pages 8 and 9

Reference line gauge see page 11