

TUNING INDICATOR

Indicator tube with triode amplifier intended for use as tuning indicator or for modulation control.

HEATING: Indirect by A.C. or D.C.; parallel supply

Heater voltage

V_f 6.3 V

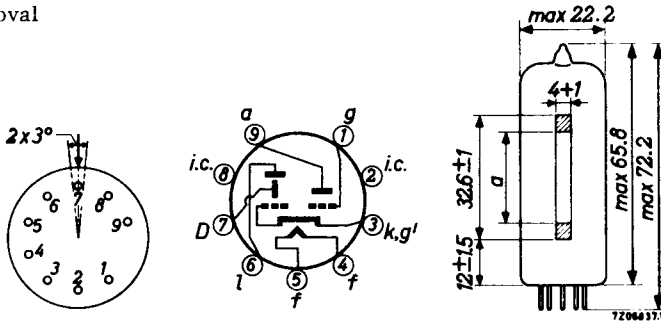
Heater current

I_f 210 mA

DIMENSIONS AND CONNECTIONS

Dimensions in mm

Base: Noval



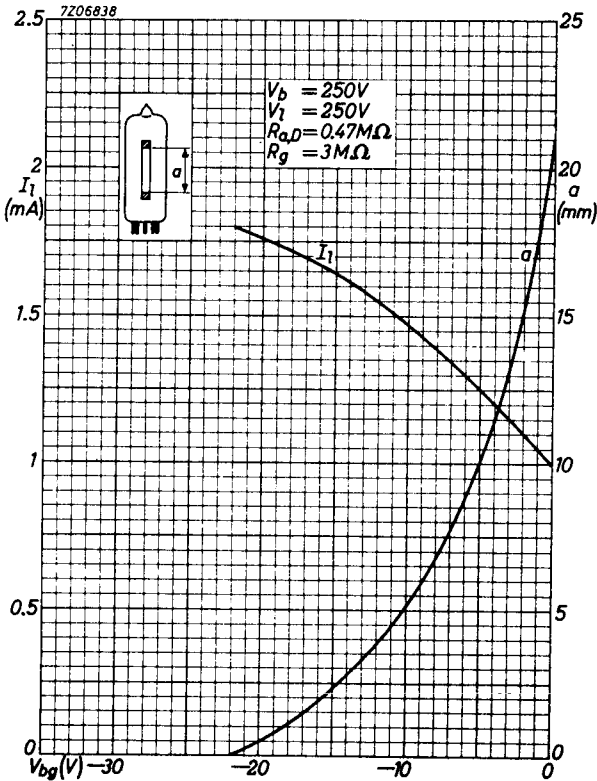
The arrow near pin 7 indicates the viewing direction.

OPERATING CHARACTERISTICS (D connected to a)

Supply voltage	V_b	250	V
Luminescent screen voltage	V_l	250	V
Anode and deflection electrode resistor	$R_{a,D}$	470	$k\Omega$
Grid resistor	R_g	3	$M\Omega$
Grid supply voltage	V_{bg}	0	-22 V
Anode and deflection electrode current	I_{a+D}	0.45	0.06 mA
Luminescent screen current	I_l	1.0	1.8 mA
Shadow length	a	21 ± 5	0 mm

LIMITING VALUES (Design centre rating system)

Anode voltage	V_{a0}	max. 550 V
	V_a	max. 300 V
Anode dissipation	W_a	max. 0.5 W
Deflection electrode voltage	V_{D0}	max. 550 V
	V_D	max. 300 V
Luminescent screen voltage	$V_{\ell 0}$	max. 550 V
	V_{ℓ}	max. 300 V
	V_{ℓ}	min. 170 V
Cathode current	I_k	max. 3 mA
Grid resistor	R_g	max. 3 M Ω
Cathode to heater voltage	V_{kf}	max. 100 V
Bulb temperature	t_{bulb}	max. 120 $^{\circ}\text{C}$



PHILIPS

Data handbook



Electronic
components
and materials

EM84

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