

## TUNING INDICATOR

Tuning indicator tube.

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

Heater voltage

$V_f$  6.3 V

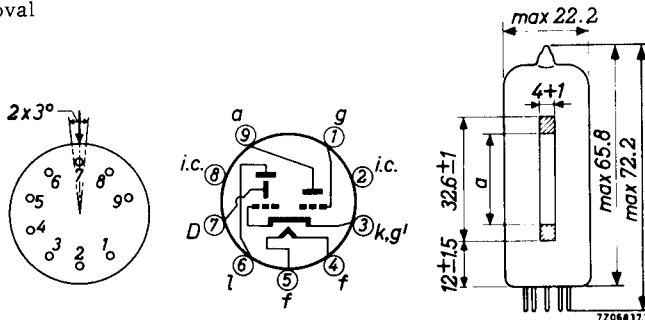
Heater current

$I_f$  300 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	$R_{a,D}$	100	k $\Omega$
Grid resistor	$R_g$	3	M $\Omega$
Grid supply voltage	$V_{bg}$	0 -10 -15	V
Anode and deflection electrode current	$I_{a+D}$	2.0 0.5 0.2	mA
Luminescent screen current	$I_l$	1.0 1.8 2.0	mA
Shadow length	a	21 0 -1.5	mm <sup>1)</sup>

<sup>1)</sup> A negative value of "a" means overlapping:

The grid bias for a = 0 is reduced by decreasing  $V_l$ .

The measure of overlapping at  $V_g = -15$  V will then increase (see page 4).

**LIMITING VALUES** (Design centre rating system)

Anode voltage	$V_{a_0}$	max. 550 V
	$V_a$	max. 300 V
Anode dissipation	$W_a$	max. 0.6 W
Deflection electrode voltage	$V_{D_0}$	max. 550 V
	$V_D$	max. 300 V
Luminescent screen voltage	$V_{\ell_0}$	max. 550 V
	$V_{\ell}$	max. 300 V
	$V_{\ell}$	min. 170 V
Grid resistor	$R_g$	max. 3 M $\Omega$
Cathode current	$I_k$	max. 5 mA
Cathode to heater voltage	$V_{kf}$	max. 250 V
Bulb temperature	$t_{bulb}$	max. 120 °C

