

## TRIODE-OUTPUT PENTODE

Triode pentode with separate cathodes.

Triode intended for use as frame oscillator or pulse amplifier.

Pentode intended for use as frame output tube.

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

|                |       |     |    |
|----------------|-------|-----|----|
| Heater voltage | $V_f$ | 6.3 | V  |
| Heater current | $I_f$ | 875 | mA |

### OPERATING CHARACTERISTICS OF THE PENTODE SECTION

#### Hum

The equivalent pentode grid hum voltage without negative feedback and without A. C. voltage between heater and cathode is max. 10 mVRMS when  $Z_{g_1}$  (at  $f = 50$  Hz)  $\leq 0.5$  M $\Omega$  and  $C_{g_1-f} = 0.2$  pF.

### LIMITING VALUES (Design centre rating system)

#### Triode section

|                                   |                  |      |     |   |
|-----------------------------------|------------------|------|-----|---|
| Cathode to heater voltage         | $V_{kf}$         | max. | 100 | V |
| D. C. component during warming up | $V_{kf}$ (k pos) | max. | 315 | V |

#### Pentode section

|                           |          |      |     |   |
|---------------------------|----------|------|-----|---|
| Cathode to heater voltage | $V_{kf}$ | max. | 100 | V |
|---------------------------|----------|------|-----|---|

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For further data and curves  
please refer to PCL85/PCL805  
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# PHILIPS

Data handbook



Electronic  
components  
and materials

**ECL85 ECL805**

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**sheet**

1  
FP

**date**

1969.01  
1999.08.12