

ELECTRONIC TUBE REFERENCE

EL805

Power - TV Vertical Output electronic tube

CONSOLIDATED TECHNICAL DATA

1 SECTION

CONSTRUCTION

PENTODE

Pulse-oriented power pentode specifically designed for television vertical-deflection output stages.

GENERAL CHARACTERISTICS

BASE DESIGNATION	—	BASE PINS	9
NOMINAL HEATER	6.3 V / 760 mA	PARALLEL HEATER	— / —
HEATING	Indirect	SERIES OPERATION	Not specified
CATHODE ARRANGEMENT	Separate cathodes	SECTION CONSTRUCTION	Similar

SECTION RATINGS

SECTION1 Pentode	
MAXIMUM PLATE VOLTAGE	300 V
MAXIMUM SCREEN VOLTAGE	250 V
MAXIMUM PLATE DISSIPATION	10.5 W
MAXIMUM SCREEN DISSIPATION	2 W
MAXIMUM CATHODE CURRENT	75 mA
Promoted values come from the supplied datasheet; additional ratings, characteristics, and operating points are retained in TUBE_SECTION_PARAMETER.	

Power pentode specifically designed for vertical deflection output stages in television receivers.

SOURCE OPERATING CONDITIONS

[SOURCE PDF](#)

1959 Telefunken

Published test conditions and operating points. Values on this page are preserved as reported by this source.

1959 TELEFUNKEN

Section 1 · Pentode

CHARACTERISTICS

PARAMETER	PUBLISHED VALUE	CONDITION / NOTE
Plate voltage	50 V	Dynamic;Point1
Screen-grid voltage	170 V	Dynamic;Point1
Peak plate current	200 mA	Dynamic;Pulse
Peak screen-grid current	35 mA	Dynamic;Pulse
Plate voltage	65 V	Dynamic;Point2
Screen-grid voltage	210 V	Dynamic;Point2
Peak plate current	285 mA	Dynamic;Pulse
Peak screen-grid current	45 mA	Dynamic;Pulse

OTHER

PARAMETER	PUBLISHED VALUE	CONDITION / NOTE
Peak plate voltage	2000 V	PulseDuration<=0.8ms;Duty<=4%
Plate cold voltage	550 V	—
Screen-grid cold voltage	550 V	—

CAPACITANCE

PARAMETER	PUBLISHED VALUE	CONDITION / NOTE
Grid-to-plate capacitance maximum	1.25 pF	—

TUBE TINKER

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and their source documents.

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