



ELECTRONIC TUBE REFERENCE

ECL805

Power - TV Vertical Output electronic tube

CONSOLIDATED TECHNICAL DATA

2 SECTIONS

CONSTRUCTION

PENTODE-TRIODE

Combination triode-pentode power tube designed primarily for television vertical/frame-deflection output service.

GENERAL CHARACTERISTICS

BASE DESIGNATION	—	BASE PINS	9
NOMINAL HEATER	6.3 V / 875 mA	PARALLEL HEATER	— / —
HEATING	Indirect	SERIES OPERATION	Not specified
CATHODE ARRANGEMENT	Separate cathodes	SECTION CONSTRUCTION	Dissimilar

SECTION RATINGS

SECTION 1 Triode	
PLATE RESISTANCE	15000 Ω
TRANSCONDUCTANCE	0.0055 S
AMPLIFICATION FACTOR	50
MAXIMUM PLATE VOLTAGE	300 V
MAXIMUM PLATE DISSIPATION	1.5 W
MAXIMUM CATHODE CURRENT	20 mA

Published maximum ratings and typical characteristics promoted from the approved source.

SECTION2 Pentode	
PLATE RESISTANCE	18000 Ω
TRANSCONDUCTANCE	0.011 S
MAXIMUM PLATE VOLTAGE	550 V
MAXIMUM SCREEN VOLTAGE	250 V
MAXIMUM PLATE DISSIPATION	7 W
MAXIMUM SCREEN DISSIPATION	2.5 W
MAXIMUM CATHODE CURRENT	80 mA
<i>Published maximum ratings and typical characteristics promoted from the approved source.</i>	

Triode-pentode for television vertical-deflection and power-output service.



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 · Triode

APPLICATION		
PARAMETER	PUBLISHED VALUE	CONDITION / NOTE
Application	Oscillator / preamplifier	—

1959 TELEFUNKEN

Section 2 · Pentode

APPLICATION		
PARAMETER	PUBLISHED VALUE	CONDITION / NOTE
Application	Vertical-deflection output	—



SOURCE OPERATING CONDITIONS

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1968 Mazda Belvu

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

1968 MAZDA BELVU

Section 1 · Triode

OTHER		
PARAMETER	PUBLISHED VALUE	CONDITION / NOTE
HeaterVoltageNominal	6.3 V	Nominal
HeaterCurrentNominal	875 mA	Nominal
Maximum Plate Voltage	300 V	—
Maximum Plate Dissipation	1.5 W	—
Maximum Cathode Current	20 mA	—

Characteristic		
Parameter	Published Value	Condition / Note
Transconductance	5500 μS	Typical
Amplification Factor	50	Typical
Plate Resistance	15000 ohm	Typical

1968 MAZDA BELVU

Section 2 · Pentode

Other		
Parameter	Published Value	Condition / Note
HeaterVoltageNominal	6.3 V	Nominal
HeaterCurrentNominal	875 mA	Nominal
Maximum Plate Voltage	550 V	—
Maximum Screen Voltage	250 V	—
Maximum Plate Dissipation	7 W	—
Maximum Screen Dissipation	2.5 W	—
Maximum Cathode Current	80 mA	—

Characteristic		
Parameter	Published Value	Condition / Note
Transconductance	11000 μS	Typical
Plate Resistance	18000 ohm	Typical



TUBE TINKER
ELECTRON TUBE DATABASE

SOURCE DATA APPENDIX

SOURCE OPERATING CONDITIONS

[SOURCE PDF](#)

1972 Philips Receiving Tubes

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

1972 PHILIPS RECEIVING TUBES

Section 1 · Triode

Other		
Parameter	Published Value	Condition / Note
HeaterVoltageNominal	6.3 V	Nominal
HeaterCurrentNominal	875 mA	Nominal

PARAMETER	PUBLISHED VALUE	CONDITION / NOTE
Maximum Plate Voltage	300 V	—
Maximum Plate Dissipation	1.5 W	—
Maximum Cathode Current	20 mA	—

CHARACTERISTIC		
PARAMETER	PUBLISHED VALUE	CONDITION / NOTE
Transconductance	5500 μ S	Typical
Amplification Factor	50	Typical
Plate Resistance	15000 ohm	Typical

1972 PHILIPS RECEIVING TUBES

Section 2 · Pentode

OTHER		
PARAMETER	PUBLISHED VALUE	CONDITION / NOTE
HeaterVoltageNominal	6.3 V	Nominal
HeaterCurrentNominal	875 mA	Nominal
Maximum Plate Voltage	550 V	—
Maximum Screen Voltage	250 V	—
Maximum Plate Dissipation	7 W	—
Maximum Screen Dissipation	2.5 W	—
Maximum Cathode Current	80 mA	—

CHARACTERISTIC		
PARAMETER	PUBLISHED VALUE	CONDITION / NOTE
Transconductance	11000 μ S	Typical
Plate Resistance	18000 ohm	Typical

TUBE TINKER

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