



ELECTRONIC TUBE REFERENCE

AD1

Power - Triode electronic tube

CONSOLIDATED TECHNICAL DATA

1 SECTION

CONSTRUCTION

TRIODE

Directly heated low-mu power triode designed for Class A audio-frequency output amplification. Manufacturer operating data emphasize low plate resistance, substantial current, and several watts of single-ended audio output rather than RF transmitting service.

GENERAL CHARACTERISTICS

BASE DESIGNATION	P35	BASE PINS	—
NOMINAL HEATER	4 V / 950 mA	PARALLEL HEATER	— / —
HEATING	Direct	SERIES OPERATION	Not specified
CATHODE ARRANGEMENT	Separate cathodes	SECTION CONSTRUCTION	Similar

SECTION RATINGS

SECTION 1 Triode	
PLATE RESISTANCE	670 Ω
TRANSCONDUCTANCE	0.004 S
AMPLIFICATION FACTOR	4
MAXIMUM PLATE VOLTAGE	250 V
MAXIMUM PLATE DISSIPATION	15 W
MAXIMUM CATHODE CURRENT	90 mA
<i>Published Telefunken ratings and characteristics promoted from the supplied source.</i>	

Directly heated power output triode for audio-frequency service.



SOURCE OPERATING CONDITIONS

[SOURCE PDF](#)

1938 Philips Miniwatt Vacuum Tube Catalog

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

1938 PHILIPS MINIWATT VACUUM TUBE CATALOG

Section 1 · Triode

OTHER		
PARAMETER	PUBLISHED VALUE	CONDITION / NOTE
Plate voltage	250 V	ClassA
Plate current	60 mA	ClassA
Control-grid bias	-4 V	ClassA
Optimum load resistance	2300 ohm	ClassA
Power output	4.2 W	ClassA
Push-pull plate current	120 mA	PushPull
Push-pull load resistance	4000 ohm	PushPull
Push-pull power output	9.2 W	PushPull

CHARACTERISTICS		
PARAMETER	PUBLISHED VALUE	CONDITION / NOTE
Transconductance	4000 μ S	ClassA
Plate resistance	670 ohm	ClassA



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

CHARACTERISTIC		
PARAMETER	PUBLISHED VALUE	CONDITION / NOTE
HeaterOrFilamentVoltage	4 V	—
HeaterOrFilamentCurrent	950 mA	—

OTHER		
PARAMETER	PUBLISHED VALUE	CONDITION / NOTE
Maximum Plate Voltage	250 V	—
Maximum Plate Dissipation	15 W	—



SOURCE DATA APPENDIX

SOURCE OPERATING CONDITIONS

SOURCE PDF

1999 Philips 0-D

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

CHARACTERISTIC		
PARAMETER	PUBLISHED VALUE	CONDITION / NOTE
Grid-anode capacitance	23 pF	—
Plate current	60 mA	OneTube
Load resistance	2300 ohm	OneTube
Output power	4.2 W	OneTube
Output power	10 W	PushPull TwoTubes
Maximum cathode current	90 mA	—