

ELECTRONIC TUBE REFERENCE

KC51

Voltage - Triode (single) electronic tube

CONSOLIDATED TECHNICAL DATA

1 SECTION
CONSTRUCTION
TRIODE

Very small directly heated triode designed for compact low-power equipment such as hearing aids.

GENERAL CHARACTERISTICS

BASE DESIGNATION	—	BASE PINS	—
NOMINAL HEATER	2 V / 50 mA	PARALLEL HEATER	— / —
HEATING	Direct	SERIES OPERATION	Not specified
CATHODE ARRANGEMENT	Separate cathodes	SECTION CONSTRUCTION	Similar

SECTION RATINGS

SECTION1 Triode	
PLATE RESISTANCE	13600 Ω
TRANSCONDUCTANCE	0.0005 S
AMPLIFICATION FACTOR	6.9
MAXIMUM PLATE VOLTAGE	100 V

Very small directly heated triode for compact equipment such as hearing aids. Published ratings, characteristics, operating data, capacitances, microwave/noise data, or gauge-head data were retained according to the physical device and mapped only to compatible locked-schema fields.

SOURCE OPERATING CONDITIONS

[SOURCE PDF](#)

1999 Philips E-Z

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

1999 PHILIPS E-Z

Section 1 · Triode

CHARACTERISTICS		
PARAMETER	PUBLISHED VALUE	CONDITION / NOTE
Plate current	0.5 mA	PlateVoltage=20V
Grid voltage	-0.9 V	PlateVoltage=20V
Plate resistance	18900 ohm	PlateVoltage=20V
Amplification factor	6.6	PlateVoltage=20V
Transconductance	350 uS	PlateVoltage=20V
Plate current	1.25 mA	PlateVoltage=40V
Grid voltage	-2.15 V	PlateVoltage=40V
Plate resistance	13600 ohm	PlateVoltage=40V
Amplification factor	6.9	PlateVoltage=40V
Transconductance	500 uS	PlateVoltage=40V

OTHER		
PARAMETER	PUBLISHED VALUE	CONDITION / NOTE
Maximum plate voltage	100 V	—

TUBE TINKER

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and their source documents.

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