



ELECTRONIC TUBE REFERENCE

KD50

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 / 55 mA	PARALLEL HEATER	— / —
HEATING	Direct	SERIES OPERATION	Not specified
CATHODE ARRANGEMENT	Separate cathodes	SECTION CONSTRUCTION	Similar

SECTION RATINGS

SECTION1 Triode	
PLATE RESISTANCE	7600 Ω
TRANSCONDUCTANCE	0.00063 S
AMPLIFICATION FACTOR	4.7
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=30V
Grid voltage	-1 V	PlateVoltage=30V
Plate resistance	13500 ohm	PlateVoltage=30V
Amplification factor	4.7	PlateVoltage=30V
Transconductance	350 uS	PlateVoltage=30V
Plate current	1.8 mA	PlateVoltage=40V
Grid voltage	-2.8 V	PlateVoltage=40V
Plate resistance	7600 ohm	PlateVoltage=40V
Amplification factor	4.7	PlateVoltage=40V
Transconductance	630 uS	PlateVoltage=40V
OTHER		
PARAMETER	PUBLISHED VALUE	CONDITION / NOTE
Maximum plate voltage	100 V	—