



ELECTRONIC TUBE REFERENCE

6476A

Nixie electronic tube

CONSOLIDATED TECHNICAL DATA

1 SECTION
CONSTRUCTION
NIXIE

Gas-filled cold-cathode decade counter/readout tube with ten output cathodes and top-viewed glow indication.

GENERAL CHARACTERISTICS

BASE DESIGNATION	—	BASE PINS	12
NOMINAL HEATER	— / —	PARALLEL HEATER	— / —
HEATING	Indirect; cold cathode	SERIES OPERATION	Not specified
CATHODE ARRANGEMENT	Separate cathodes	SECTION CONSTRUCTION	Similar

SECTION RATINGS

SECTION 1 Nixie	
MAXIMUM PLATE VOLTAGE	800 V
MAXIMUM CATHODE CURRENT	0.6 mA
<i>Representative electrical section; promoted values mapped from published ratings/characteristics where applicable.</i>	

Gas-filled decade counter/readout tube with ten output cathodes and top-viewed indication.



SOURCE OPERATING CONDITIONS

[SOURCE PDF](#)

1950 Sylvania

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

1950 SYLVANIA

Section 1 · Nixie

OTHER		
PARAMETER	PUBLISHED VALUE	CONDITION / NOTE
Anode supply voltage minimum	350 V	Published datasheet value
Anode supply voltage maximum	800 V	Published datasheet value
Anode current minimum	0.3 mA	Published datasheet value
Anode current maximum	0.6 mA	Published datasheet value
Input frequency maximum	4 kpps	Published datasheet value



SOURCE OPERATING CONDITIONS

[SOURCE PDF](#)

1965 Sylvania Electronic Tubes Vol3

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

1965 SYLVANIA ELECTRONIC TUBES VOL3

Section 1 · Nixie

OTHER		
PARAMETER	PUBLISHED VALUE	CONDITION / NOTE
AnodeSupplyVoltageMinimum	350 V	—
AnodeSupplyVoltageMaximum	800 V	—
VoltageBetweenAnyElectrodesMaximum	200 V	—
TransferVoltageMaximum	140 V	—
AnodeCurrentMaximum	0.6 mA	—
Anode Supply Voltage	350 V	—
GuidePulseVoltage	187 V	—

PARAMETER	PUBLISHED VALUE	CONDITION / NOTE
GuideBiasMinimum	35 V	—
CathodeLoadResistanceMaximum	150 kohm	—

CHARACTERISTIC		
PARAMETER	PUBLISHED VALUE	CONDITION / NOTE
AnyCathodeToAllCapacitance	4 pF	—
Guide2ToAllCapacitance	6 pF	—
Guide1ToAllCapacitance	6 pF	—
DeviceFunction	Decade counter with visual readout	—

TUBE TINKER

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and their source documents.

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