



ELECTRONIC TUBE REFERENCE

CK6476

Nixie electronic tube

CONSOLIDATED TECHNICAL DATA

1 SECTION

CONSTRUCTION

NIXIE

Gas-filled cold-cathode 4 kHz bidirectional ring-stepping decade counter with visual or electrical readout of the active count position.

GENERAL CHARACTERISTICS

BASE DESIGNATION	—	BASE PINS	13
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 CATHODE CURRENT	0.5 mA
Cold-cathode gas-discharge decade-counter section; conventional gm/rp/mu fields are not applicable.	

Gas-filled cold-cathode 4 kHz bidirectional ring-stepping decade counter with visual or electrical readout. The datasheet specifies anode/supply limits, counting frequency, and a typical resistor-biased operating point.

SOURCE OPERATING CONDITIONS

[SOURCE PDF](#)

196X Nixie Random Datasheets

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

196X NIXIE RANDOM DATASHEETS

Section 1 · Nixie

OTHER		
PARAMETER	PUBLISHED VALUE	CONDITION / NOTE
Total anode current maximum	0.5 mA	—
Voltage between electrodes maximum	140 V	Excluding anode
Supply voltage minimum	350 V	Anode-to-cathode
Input frequency maximum	5000 pps	—
DC supply voltage	425 V	—
Anode resistor	0.82 MΩ	—
Cathode resistor	100000 Ω	—

CHARACTERISTICS		
PARAMETER	PUBLISHED VALUE	CONDITION / NOTE
Nominal tube drop	195 V	Typical operation
Output voltage	30 V	Across cathode resistor
Minimum guide pulse width	10 μs	Typical driver operation

TUBE TINKER

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and their source documents.

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