



ELECTRONIC TUBE REFERENCE

6476

Nixie electronic tube

CONSOLIDATED TECHNICAL DATA

1 SECTION

CONSTRUCTION

NIXIE

Cold-cathode bidirectional decade counter with multiple electrical outputs and direct glow indication of the active counting position.

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

SECTION1 Nixie	
MAXIMUM CATHODE CURRENT	0.6 mA
Published ratings and characteristics promoted where clearly stated; identical repeated sections compressed where applicable.	

Cold-cathode bidirectional decade counter with multiple electrical outputs and direct glow indication. The datasheet specifies anode/supply limits, counting frequency, and a typical resistor-biased operating point.

SOURCE OPERATING CONDITIONS

[SOURCE PDF](#)

1938 Raytheon

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

1938 RAYTHEON

Section 1 · Nixie

CHARACTERISTICS

PARAMETER	PUBLISHED VALUE	CONDITION / NOTE
Maintaining or operating voltage	195 V	Published nominal tube drop/operating voltage
Starting or minimum supply voltage	350 V	Published starting/minimum supply value

OTHER

PARAMETER	PUBLISHED VALUE	CONDITION / NOTE
Maximum input frequency	5000 Hz	Published
Nominal tube drop	195 V	At 425 V supply

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
Total anode current maximum	0.6 mA	Published datasheet value
Supply voltage minimum	350 V	AnodeToCathode
Input frequency maximum	4000 pps	Published datasheet value
Typical DC supply voltage	400 V	Published datasheet value

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	0.6 mA	—
Voltage between electrodes maximum	140 V	Excluding anode
Supply voltage minimum	350 V	Anode-to-cathode
Input frequency maximum	4000 pps	—
DC supply voltage	400 V	—
Anode resistor	0.047 MΩ	—
Cathode resistor	68000 Ω	—

CHARACTERISTICS		
PARAMETER	PUBLISHED VALUE	CONDITION / NOTE
Nominal tube drop	191 V	Typical operation
Output voltage	28 V	Across cathode resistor

TUBE TINKER

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and their source documents.

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