

ELECTRONIC TUBE REFERENCE

OG8

Nixie electronic tube

CONSOLIDATED TECHNICAL DATA

1 SECTION

CONSTRUCTION

NIXIE

Russian cold-cathode decade counter using glow transfer among cathodes for counting, switching, and indication.

GENERAL CHARACTERISTICS

BASE DESIGNATION	—	BASE PINS	—
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	1.3 mA
Electrical values not fitting canonical promoted fields are preserved in TUBE_SECTION_PARAMETER.	

OG8 is a cold-cathode cold-cathode decade counter, classified as Nixie for this batch. The supplied datasheet was reviewed for operating conditions, ratings, and display/counting characteristics.



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
Supply Voltage	500 V	Published datasheet value
Maximum/Normal Cathode Current	1.3 mA	Published datasheet value
Maximum Counting Speed	100 kHz	Published datasheet value

CHARACTERISTIC		
PARAMETER	PUBLISHED VALUE	CONDITION / NOTE
Ignition/Starting Voltage	480 V	Published datasheet value
Maintaining/Running Voltage	275 V	Published datasheet value
Minimum Cathode/Anode Current	1.1 mA	Published datasheet value
Reset Pulse Amplitude Minimum	75 V	Published datasheet value
Reset Pulse Amplitude Maximum	125 V	Published datasheet value



SOURCE OPERATING CONDITIONS

[SOURCE PDF](#)

196X Nixie Russian 1

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

196X NIXIE RUSSIAN 1

CHARACTERISTICS		
PARAMETER	PUBLISHED VALUE	CONDITION / NOTE
Scale factor	10	Published datasheet value
Supply voltage	500 V	Published datasheet value
Discharge starting voltage	—465 V	Published datasheet value
Discharge maintaining voltage	255–295 V	Published datasheet value
Subcathode bias voltage	30–44 V	Published datasheet value
Reset pulse amplitude	75–125 V	Published datasheet value
Operating current	1–1.3 mA	Published datasheet value

TUBE TINKER

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