

ELECTRONIC TUBE REFERENCE

OG4

Nixie electronic tube

CONSOLIDATED TECHNICAL DATA

1 SECTION

CONSTRUCTION

NIXIE

Russian cold-cathode decade counter for pulse counting and sequencing, using a transferred glow discharge among successive cathodes.

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	0.5 mA
Electrical values not fitting canonical promoted fields are preserved in TUBE_SECTION_PARAMETER.	

OG4 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	420 V	Published datasheet value
Maximum/Normal Cathode Current	0.5 mA	Published datasheet value
Maximum Counting Speed	2 kHz	Published datasheet value

CHARACTERISTIC		
PARAMETER	PUBLISHED VALUE	CONDITION / NOTE
Ignition/Starting Voltage	420 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

Section 1 · Nixie

CHARACTERISTICS		
PARAMETER	PUBLISHED VALUE	CONDITION / NOTE
Scale factor	10	Published datasheet value
Supply voltage	450–475 V	Published datasheet value
Discharge starting voltage	—375 V	Published datasheet value
Discharge maintaining voltage	130–170 V	Published datasheet value

PARAMETER	PUBLISHED VALUE	CONDITION / NOTE
Subcathode bias voltage	30–40 V	Published datasheet value
Reset pulse amplitude	150 V	Published datasheet value
Operating current	0.3–0.45 mA	Published datasheet value
Counting rate	0.01–2000 Hz	Published datasheet value
Control pulse amplitude	135–200 V	Published datasheet value
Control pulse duration	160–500 us	Published datasheet value
Control pulse rise time	10–80 us	Published datasheet value
Service life	2000— h	Published datasheet value