

Russian cold-cathode decade counter using glow-discharge transfer for electronic counting and visible count-position 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	
REGULATOR VOLTAGE	85 V
MINIMUM REGULATOR CURRENT	1 mA
MAXIMUM REGULATOR CURRENT	10 mA
STARTING VOLTAGE	125 V
MAINTAINING VOLTAGE	85 V
DYNAMIC IMPEDANCE	700 Ω
Published glow-regulator values promoted from the source sheet.	

OG3 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

1953 AEG

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

1953 AEG

Section 1 · Nixie

CONSTRUCTION

PARAMETER	PUBLISHED VALUE	CONDITION / NOTE
Filling	Inert gas	—

OTHER

PARAMETER	PUBLISHED VALUE	CONDITION / NOTE
Maximum starting current	75 mA	10s



SOURCE OPERATING CONDITIONS

1953 RFT Rundfunk Technik

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

1953 RFT RUNDFUNK TECHNIK

Section 1 · Nixie

CHARACTERISTIC

PARAMETER	PUBLISHED VALUE	CONDITION / NOTE
Nominal maintaining voltage	85 V	—
Lifetime voltage change	0.5 %	—

OTHER

PARAMETER	PUBLISHED VALUE	CONDITION / NOTE
Current range	1 to 10 mA	—
Nominal current	6 mA	—

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 V	Published datasheet value
Discharge starting voltage	—420 V	Published datasheet value
Discharge maintaining voltage	170–210 V	Published datasheet value
Subcathode bias voltage	40–60 V	Published datasheet value
Operating current	0.6–0.8 mA	Published datasheet value
Counting rate	1–20000 Hz	Published datasheet value
Control pulse amplitude	110–140 V	Published datasheet value
Control pulse duration	17–22 us	Published datasheet value
Service life	2500 h	Published datasheet value