



ELECTRONIC TUBE REFERENCE

IN6

Nixie electronic tube

CONSOLIDATED TECHNICAL DATA

1 SECTION

CONSTRUCTION

NIXIE

Russian cold-cathode glow-discharge numeric/symbol indicator for direct visual display. Manufacturer data specify ignition voltage up to 140 V and maintaining voltage around 87 V, with a published minimum operating life of 1,000 hours.

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

SECTION 1 Nixie	
MINIMUM REGULATOR CURRENT	150 mA
MAXIMUM REGULATOR CURRENT	850 mA
STARTING VOLTAGE	140 V
MAINTAINING VOLTAGE	87 V
<i>Single cold-cathode glow-discharge indicator section; Nixie-specific operating data are also retained as parameters.</i>	

The IN6 is a Russian cold-cathode glow-discharge Nixie numeric/symbol display intended for visual indication. Ignition voltage up to 140 v, maintaining/anode-cathode voltage up to 87 v, published life at least 1000 h. The supplied Russian datasheet was translated for this record.

SOURCE OPERATING CONDITIONS

[SOURCE PDF](#)

196X Nixie Russian 2

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

196X NIXIE RUSSIAN 2

Section 1 · Nixie

OTHER		
PARAMETER	PUBLISHED VALUE	CONDITION / NOTE
Ignition delay time	—2 s	Published datasheet value
Operating current	0.65–0.85 mA	Published datasheet value
Ambient operating temperature minimum	0 degC	Published datasheet value
Ambient operating temperature maximum	60 degC	Published datasheet value
Ignition voltage	—140 V	Published datasheet value
Maintaining voltage / anode-cathode drop	—87 V	Published datasheet value
Indication current	—0.85 mA	Published datasheet value

CHARACTERISTIC		
PARAMETER	PUBLISHED VALUE	CONDITION / NOTE
Service life	1000— h	Minimum

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