



ELECTRONIC TUBE REFERENCE

B7011

Nixie electronic tube

CONSOLIDATED TECHNICAL DATA

1 SECTION

CONSTRUCTION

NIXIE

Gas-filled cold-cathode Nixie numerical indicator designed to display decimal digits by selective glow discharge of shaped 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

SECTION 1 Nixie	
MAXIMUM CATHODE CURRENT	15 mA
MINIMUM REGULATOR CURRENT	9 mA
MAXIMUM REGULATOR CURRENT	15 mA
STARTING VOLTAGE	300 V
<i>Gas-filled cold-cathode Nixie numerical-readout tube, Jumbo size.</i>	

B7011 is a gas-filled cold-cathode Nixie numerical/readout device. The shared catalog identifies it with the B7011 electrical family, using a maximum ionization voltage of 300 V and a recommended minimum supply of 300 V.

SOURCE OPERATING CONDITIONS

[SOURCE PDF](#)

1961 Nixie Burroughs

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

1961 NIXIE BURROUGHS

Section 1 · Nixie

OTHER		
PARAMETER	PUBLISHED VALUE	CONDITION / NOTE
Ionization Voltage Maximum	300 V	—
Supply Voltage Minimum	300 V	Catalog minimum supply voltage
Cathode Current Peak	15 mA	—
Cathode Current Average	12 mA	—
Individual Cathode Wattage Maximum	1.2 W	—
Test Supply Voltage	300 V	—
Test Series Resistor	12 kOhm	—
Display Size Class	Jumbo	—
Numeral Height	2.25 in	—
Recommended Socket	SK117	—
Recommended Supply Voltage	300 V	Series resistor 12 kOhm
Recommended Series Resistor	12 kOhm	Supply voltage 300 V

CHARACTERISTIC		
PARAMETER	PUBLISHED VALUE	CONDITION / NOTE
Cathode Current Minimum	9 mA	—
Cathode Current Maximum	15 mA	—

196X Burroughs Nixie

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

196X BURROUGHS NIXIE
Section 1 · Nixie

OTHER		
PARAMETER	PUBLISHED VALUE	CONDITION / NOTE
Ionization voltage	300 V	Absolute rating; maximum
Minimum supply voltage	300 V	Absolute rating; minimum recommended supply
Cathode current	15 mA	Peak
Cathode current	12 mA	Average
Individual cathode dissipation	1.2 W	Maximum
Anode supply voltage	300 V	BasicCircuit test condition
Anode series resistor	12 k0hm	BasicCircuit test condition
Cathode current	9–15 mA	BasicCircuit test condition
Numeral height	2.25 in	Jumbo
Recommended anode series resistor	12 k0hm	Anode supply 300 V

TUBE TINKER

An independent reference for electronic tubes, vacuum tubes, and their source documents.

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