



ELECTRONIC TUBE REFERENCE

BD255

Nixie electronic tube

CONSOLIDATED TECHNICAL DATA

1 SECTION

CONSTRUCTION

NIXIE

Gas-filled cold-cathode Nixie special-character indicator designed to display plus/minus or other dedicated symbols using shaped glow 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

No fixed ratings recorded.

Gas-filled cold-cathode Nixie special-character indicator; plus and minus special-character tube (alias of B4022). Electrical/mechanical characteristics are stated to be generally comparable to the corresponding regular numerical tube family (7009).

BD255 is listed in the shared Burroughs Nixie numerical-readout catalog. The source establishes the gas-filled cold-cathode Nixie display principle, but the model-specific electrical cross-reference is not unambiguous enough to assign exact table values without guessing.

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

DESCRIPTION		
PARAMETER	PUBLISHED VALUE	CONDITION / NOTE
Display Principle	Glow discharge	Gas-filled cold-cathode readout principle

SOURCE OPERATING CONDITIONS

[SOURCE PDF](#)

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	170 V	Absolute rating; maximum
Minimum supply voltage	170 V	Absolute rating; minimum recommended supply
Cathode current	2 mA	Peak
Cathode current	1 mA	Average
Individual cathode dissipation	0.2 W	Maximum
Anode supply voltage	170 V	BasicCircuit test condition
Anode series resistor	68 k0hm	BasicCircuit test condition
Cathode current	0.7–1.2 mA	BasicCircuit test condition
Numeral height	0.305 in	Miniature
Recommended anode series resistor	68 k0hm	Anode supply 170 V

PARAMETER	PUBLISHED VALUE	CONDITION / NOTE
Recommended anode series resistor	150 k0hm	Anode supply 250 V
Recommended anode series resistor	200 k0hm	Anode supply 300 V
Pre-bias voltage	60–75 V	Referenced to on cathode