



ELECTRONIC TUBE REFERENCE

B5093

Nixie electronic tube

CONSOLIDATED TECHNICAL DATA

1 SECTION
CONSTRUCTION
NIXIE

Round cold-cathode Nixie special-character indicator with approximately 0.6-inch nominal character size. Its documentation specifies glow-discharge starting and supply requirements and operation with a current-limiting resistor for special-symbol display service.

GENERAL CHARACTERISTICS

BASE DESIGNATION	—	BASE PINS	13
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	3.5 mA
STARTING VOLTAGE	170 V
<i>Cold-cathode Nixie indicator section; conventional amplification fields are not applicable.</i>	

Special-character cold-cathode Nixie indicator, round configuration, with 0.6-inch nominal character size. The sheet provides cold-cathode starting/supply limits and recommended current-limiting resistor operation.



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 minimum	170 V	—
Ionization voltage maximum	170 V	—
Peak cathode current maximum	3.5 mA	—
Anode series resistor	10 kΩ	SupplyVoltage=170V

CHARACTERISTICS		
PARAMETER	PUBLISHED VALUE	CONDITION / NOTE
Cathode current range	1.5–3 mA	—

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