



ELECTRONIC TUBE REFERENCE

Y4075

Nixie electronic tube

CONSOLIDATED TECHNICAL DATA

1 SECTION

CONSTRUCTION

NIXIE

Fast seven-segment vacuum fluorescent digital display producing bright numerals at low drive and power levels through phosphor-screened electron-excited segments.

GENERAL CHARACTERISTICS

BASE DESIGNATION	—	BASE PINS	—
NOMINAL HEATER	1.2 V / 40 mA	PARALLEL HEATER	— / —
HEATING	Direct	SERIES OPERATION	Not specified
CATHODE ARRANGEMENT	Separate cathodes	SECTION CONSTRUCTION	Similar

SECTION RATINGS

SECTION 1 Nixie

No fixed ratings recorded.

Vacuum fluorescent/readout display represented as SectionType Other; published electrical/optical data preserved in parameters.

The readout tube provides a bright, sharp display of numerals at low drive and power levels at a very fast speed. Numbers are displayed by excitation of phosphor-screened - —



SOURCE OPERATING CONDITIONS

[SOURCE PDF](#)

1968 General Electric Co

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

1968 GENERAL ELECTRIC CO

Section 1 · Nixie

OTHER		
PARAMETER	PUBLISHED VALUE	CONDITION / NOTE
MaximumSegmentVoltage	35 V	—
TypicalSegmentVoltage	27 V	—
2 Total power requirements of less than	1756 mW	—
5 Typical light output of 200 foot lamberts at	25 V	—
6 Maximum allowable segment voltage is	35 V	—

CHARACTERISTIC		
PARAMETER	PUBLISHED VALUE	CONDITION / NOTE
TypicalBrightness	200 foot-lambert	At 27 V

TUBE TINKER

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

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