



ELECTRONIC TUBE REFERENCE

ZM1336K

Nixie electronic tube

CONSOLIDATED TECHNICAL DATA

1 SECTION

CONSTRUCTION

NIXIE

Cold-cathode gas-filled Nixie numerical indicator displaying digits 0-9 with left and right decimal points in a 13.1 mm side-view format.

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
STARTING VOLTAGE	175 V
Single cold-cathode display section. Ignition, sustaining/extinction voltages, cathode-current limits, and display/mechanical data are retained below.	

The ZM1336K is a gas-filled cold-cathode Nixie display tube. The catalog shows 0 to 9 with left and right decimal points with a side viewing arrangement and a character height of 13.1 mm. Its ignition voltage is 175 V, extinction voltage is about 115 V. The source is French-language material translated to English for this record.

SOURCE OPERATING CONDITIONS

[SOURCE PDF](#)

1973 Nixie Siemens

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

1973 NIXIE SIEMENS

Section 1 · Nixie

CHARACTERISTICS		
PARAMETER	PUBLISHED VALUE	CONDITION / NOTE
Ignition voltage	175 V	Maximum/typical threshold shown in source table
Extinction voltage	115 V	Source table value
Cathode current (source sp value)	14 mA	Pulse-supply table; source abbreviation 'sp'
Cathode current (source cr value)	2 mA	Pulse-supply table; source abbreviation 'cr'
Mean current (source sp value)	0.7 mA	Pulse-supply table; source abbreviation 'sp'
Mean current (source cr value)	0.1 mA	Pulse-supply table; source abbreviation 'cr'

OTHER		
PARAMETER	PUBLISHED VALUE	CONDITION / NOTE
Maximum supply voltage	175 V	Absolute limit table
Cathode current limit (source sp value)	11 mA	Pulse-supply table; source abbreviation 'sp'
Cathode current limit (source cr value)	1 mA	Pulse-supply table; source abbreviation 'cr'
Mean cathode current limit (source sp value)	1.6 mA	Pulse-supply table; source abbreviation 'sp'
Mean cathode current limit (source cr value)	0.16 mA	Pulse-supply table; source abbreviation 'cr'

PARAMETER	PUBLISHED VALUE	CONDITION / NOTE
Peak cathode current limit (source sp value)	18 mA	Pulse-supply table; source abbreviation 'sp'
Peak cathode current limit (source cr value)	3 mA	Pulse-supply table; source abbreviation 'cr'
Envelope temperature minimum	-20 degC	Operating envelope temperature range
Envelope temperature maximum	70 degC	Operating envelope temperature range
Display characters	0 to 9 with left and right decimal points	Translated from French source
Display orientation	side	Viewing orientation
Character height	13.1 mm	Display geometry
Maximum tube height	30.5 mm	Mechanical dimension
Maximum tube width/diameter	13 mm	Mechanical dimension as printed
Supply mode	Pulse supply	Catalog column heading

TUBE TINKER

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