



ELECTRONIC TUBE REFERENCE

ZM1334

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	
MAXIMUM PLATE VOLTAGE	175 V
MAXIMUM CATHODE CURRENT	14 mA
STARTING VOLTAGE	175 V
<i>Single cold-cathode display section. Ignition, sustaining/extinction voltages, cathode-current limits, and display/mechanical data are retained below.</i>	

ZM1334 is a red-filtered 0-9 numerical indicator with left and right decimal points, classified as Nixie for this batch. The supplied datasheet provides cold-cathode gas-discharge display ratings, operating data, and mechanical/display information.

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
Numeral Height	13.1 mm	Published datasheet value
Supply Voltage	175 V	Published datasheet value
Peak Cathode Current Maximum	14 mA	Pulse/multiplex operation
Average Cathode Current Maximum	1.6 mA	Published datasheet value
Operating Temperature Minimum	-20 degC	Published datasheet value
Operating Temperature Maximum	70 degC	Published datasheet value
Decimal Point Peak Current	2 mA	Published datasheet value
Decimal Point Average Current Maximum	0.16 mA	Published datasheet value

CHARACTERISTIC		
PARAMETER	PUBLISHED VALUE	CONDITION / NOTE
Ignition Voltage	175 V	Published datasheet value
Extinction Voltage	115 V	Published datasheet value
Peak Cathode Current Minimum	11 mA	Pulse operation
Decimal Point Minimum Peak Current	1 mA	Published datasheet value

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'
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'

PARAMETER	PUBLISHED VALUE	CONDITION / NOTE
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

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

[Catalog](#) [Tube types](#) [Full books](#) [Blog](#) [Feedback & corrections](#)

© 2026 Tube Tinker