



ELECTRONIC TUBE REFERENCE

Z550M

Nixie electronic tube

CONSOLIDATED TECHNICAL DATA

1 SECTION

CONSTRUCTION

NIXIE

Gas-filled cold-cathode Nixie numerical indicator designed for decimal readout by selective glow discharge of shaped numeral 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	
MAXIMUM PLATE VOLTAGE	90 V
MAXIMUM CATHODE CURRENT	6 mA
REGULATOR VOLTAGE	84 V
Cold-cathode gas-filled decimal numerical indicator tube.	

Z550M is a cold-cathode top-viewing numerical indicator, classified as Nixie for this batch. The supplied datasheet was reviewed for operating conditions, ratings, and display/counting characteristics.



SOURCE OPERATING CONDITIONS

1953 Amperex

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

1953 AMPEREX

Section 1 · Nixie

OTHER		
PARAMETER	PUBLISHED VALUE	CONDITION / NOTE
PeakAnodeVoltage	150 V ac	Published source value
MaintainingVoltage	84 V	Published source value
StarterCurrent	50 uA	Published source value



SOURCE OPERATING CONDITIONS

[SOURCE PDF](#)

1963 Philips Electron Tubes Handbook V2

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

1963 PHILIPS ELECTRON TUBES HANDBOOK V2

Section 1 · Nixie

OTHER		
PARAMETER	PUBLISHED VALUE	CONDITION / NOTE
Display digits	10 count	—
Supply type	Unsmoothed rectified or DC	—
Starter-selection overdrive	5— V	Selected starter above remaining starters
Common starter-bias tolerance	—5 V	Relative to anode potential

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	90 V	Published datasheet value
Maximum/Normal Cathode Current	3 mA	Published datasheet value
Transformer Secondary Voltage	110 V	Published datasheet value
Cathode Resistor	10 kOhm	Published datasheet value
Numeral Height	3 mm	Published datasheet value

CHARACTERISTIC		
PARAMETER	PUBLISHED VALUE	CONDITION / NOTE
Maintaining/Running Voltage	84 V	Published datasheet value
Minimum Cathode/Anode Current	3 mA	Published datasheet value

SOURCE OPERATING CONDITIONS

[SOURCE PDF](#)

1999 Philips E-Z

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

1999 PHILIPS E-Z

Section 1 · Nixie

OTHER		
PARAMETER	PUBLISHED VALUE	CONDITION / NOTE
Cathode current	4 mA	—

PARAMETER	PUBLISHED VALUE	CONDITION / NOTE
Anode operating voltage	84 V	—

TUBE TINKER

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and their source documents.

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