ELECTRONIC TUBE REFERENCE

GN4E

Nixie electronic tube

CONSOLIDATED TECHNICAL DATA
1 SECTION
CONSTRUCTION
NIXIE

Gas-filled cold-cathode Nixie numerical indicator designed to display decimal digits by selective glow discharge of shaped 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

SECTION1 Nixie

MAXIMUM CATHODE CURRENT	2.5 mA

Cold-cathode glow-display section; maximum cathode current promoted from the comparable RFT data column.

GN4E is a cold-cathode Nixie numeric/symbol display tube. The supplied datasheet set identifies Z560M as a comparable RFT display type and provides ignition, burning and extinction voltages, cathode-current limits, environmental limits and mechanical/display data through that comparison.

SOURCE OPERATING CONDITIONS

1971 Nixie RFT

SOURCE PDF

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

1971 NIXIE RFT

Section 1 · Nixie

CHARACTERISTIC		
PARAMETER	PUBLISHED VALUE	CONDITION / NOTE
Anode Ignition Voltage	145 V	Comparable RFT type Z560M
Anode Burning Voltage	135 V	Comparable RFT type Z560M
Anode Extinction Voltage	120 V	Comparable RFT type Z560M

OTHER		
PARAMETER	PUBLISHED VALUE	CONDITION / NOTE
Minimum Cathode Current	1 mA	Comparable RFT type Z560M
Maximum Cathode Current	2.5 mA	Comparable RFT type Z560M
Peak Cathode Current	10 mA	Comparable RFT type Z560M
Minimum Ambient Temperature	-50 degC	Comparable RFT type Z560M
Maximum Ambient Temperature	70 degC	Comparable RFT type Z560M
Symbol Height	15.5 mm	Comparable RFT type Z560M
Maximum Viewing Distance	10 m	Comparable RFT type Z560M
Maximum Bulb Height	26.5 mm	Comparable RFT type Z560M
Maximum Bulb Diameter	30.1 mm	Comparable RFT type Z560M

Tube Tinker

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