



ELECTRONIC TUBE REFERENCE

GN4D

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

SECTION 1 Nixie	
MAXIMUM CATHODE CURRENT	2.5 mA
<i>Cold-cathode glow-display section; maximum cathode current promoted from the comparable RFT data column.</i>	

GN4D is a cold-cathode Nixie numeric/symbol display tube. The supplied datasheet set identifies Z5600M 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

[SOURCE PDF](#)

1971 Nixie RFT

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 Z5600M
Anode Burning Voltage	135 V	Comparable RFT type Z5600M
Anode Extinction Voltage	120 V	Comparable RFT type Z5600M

OTHER		
PARAMETER	PUBLISHED VALUE	CONDITION / NOTE
Minimum Cathode Current	1 mA	Comparable RFT type Z5600M
Maximum Cathode Current	2.5 mA	Comparable RFT type Z5600M
Peak Cathode Current	10 mA	Comparable RFT type Z5600M
Minimum Ambient Temperature	-50 degC	Comparable RFT type Z5600M
Maximum Ambient Temperature	70 degC	Comparable RFT type Z5600M
Symbol Height	15.5 mm	Comparable RFT type Z5600M
Maximum Viewing Distance	10 m	Comparable RFT type Z5600M
Maximum Bulb Height	26.5 mm	Comparable RFT type Z5600M
Maximum Bulb Diameter	30.1 mm	Comparable RFT type Z5600M

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