



ELECTRONIC TUBE REFERENCE

Z5670M

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 CATHODE CURRENT	6 mA
<i>Cold-cathode glow-display section; maximum cathode current promoted in amperes.</i>	

Z5670M is a cold-cathode Nixie numerical/symbol indicator tube. The supplied RFT sheet gives 150 V ignition and 140 V burning voltage, a 170 V minimum operating supply, 3–6 mA cathode current, and 18 mm side-viewed symbols. Z5670M is tabulated directly in the supplied RFT display-tube data sheet.

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	150 V	Published RFT table
Anode Burning Voltage	140 V	Published RFT table
Anode Extinction Voltage	120 V	Published RFT table

OTHER		
PARAMETER	PUBLISHED VALUE	CONDITION / NOTE
Minimum Operating Voltage	170 V	Published RFT table
Minimum Cathode Current	3 mA	Published RFT table
Maximum Cathode Current	6 mA	Published RFT table
Peak Cathode Current	20 mA	Published RFT table
Minimum Ambient Temperature	-10 degC	Published RFT table
Maximum Ambient Temperature	50 degC	Published RFT table
Symbol Height	18 mm	Published RFT table
Maximum Viewing Distance	18 m	Published RFT table
Maximum Bulb Height	62 mm	Published RFT table
Maximum Bulb Diameter	29.2 mm	Published RFT table

TUBE TINKER

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