ELECTRONIC TUBE REFERENCE

Z5680M

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	17–35	**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	7 mA

Cold-cathode glow-display section; maximum cathode current promoted in amperes.

Z5680M is a cold-cathode Nixie numerical/symbol indicator tube. The supplied RFT sheet gives 150 V ignition and 140 V burning voltage, a 200 V minimum operating supply, 4–7 mA cathode current, and 50 mm side-viewed symbols. Z5680M is tabulated directly in the supplied RFT display-tube data sheet.

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	**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	**200 V**	Published RFT table
Minimum Cathode Current	**4 mA**	Published RFT table
Maximum Cathode Current	**7 mA**	Published RFT table
Peak Cathode Current	**25 mA**	Published RFT table
Minimum Ambient Temperature	**-10 degC**	Published RFT table
Maximum Ambient Temperature	**50 degC**	Published RFT table
Symbol Height	**50 mm**	Published RFT table
Maximum Viewing Distance	**30 m**	Published RFT table
Maximum Bulb Height	**100 mm**	Published RFT table
Maximum Bulb Diameter	**50 mm**	Published RFT table

TUBE TINKER

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