ELECTRONIC TUBE REFERENCE

Z566M

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

SECTION1 Nixie

MAXIMUM CATHODE CURRENT	6 mA

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

Z566M 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 30 mm side-viewed symbols. Z566M 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	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	30 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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