



ELECTRONIC TUBE REFERENCE

Z5600M

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 PLATE VOLTAGE	170 V
MAXIMUM CATHODE CURRENT	2.5 mA
<i>Cold-cathode display discharge system; cathode current and display characteristics published.</i>	

Z5600M is a cold-cathode Nixie numerical/symbol indicator tube. The supplied RFT sheet gives 145 V ignition and 135 V burning voltage, a 170 V minimum operating supply, 1-2.5 mA cathode current, and 15.5 mm front-viewed symbols. Z5600M is tabulated directly in the supplied RFT display-tube data sheet.



SOURCE OPERATING CONDITIONS

1953 RFT Rundfunk Technik

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

1953 RFT RUNDFUNK TECHNIK

Section 1 · Nixie

CHARACTERISTICS

PARAMETER	PUBLISHED VALUE	CONDITION / NOTE
Ignition voltage	145 V	Published ignition value
Burning voltage	135 V	Published glow-discharge value

OTHER

PARAMETER	PUBLISHED VALUE	CONDITION / NOTE
Cathode current	2 mA	Published operating value



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	Published RFT table
Anode Burning Voltage	135 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

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

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