



ELECTRONIC TUBE REFERENCE

GR10M

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

SECTION1 Nixie	
MAXIMUM PLATE VOLTAGE	170 V
MAXIMUM CATHODE CURRENT	2.5 mA
Applicable published ratings promoted; switching, display, trigger and regulator characteristics retained as parameters.	

GR10M is a cold-cathode long-life numerical indicator, classified as Nixie for this batch. The supplied sheet provides electrical operating/rating data and display information.



SOURCE OPERATING CONDITIONS

[SOURCE PDF](#)

196X Ericsson Telephones Ltd

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

196X ERICSSON TELEPHONES LTD

Section 1 · Nixie

CHARACTERISTICS		
PARAMETER	PUBLISHED VALUE	CONDITION / NOTE
Nominal/running voltage	140 V	—
Display orientation	End-viewing	—



SOURCE OPERATING CONDITIONS

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196X Nixie Random Datasheets

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

196X NIXIE RANDOM DATASHEETS

Section 1 · Nixie

CHARACTERISTIC		
PARAMETER	PUBLISHED VALUE	CONDITION / NOTE
Minimum Cathode Current	1 mA	Published datasheet value
Nominal Running Voltage	140 V	At 2 mA

OTHER		
PARAMETER	PUBLISHED VALUE	CONDITION / NOTE
Maximum Cathode Current	10 mA	Published datasheet value
Normal/Recommended Cathode Current	2 mA	Published datasheet value
Recommended Average Cathode Current	1.5 mA	Published datasheet value
Recommended Peak Cathode Current	7 mA	Published datasheet value

PARAMETER	PUBLISHED VALUE	CONDITION / NOTE
Maximum Average Cathode Current	2.5 mA	20 ms averaging time



SOURCE DATA APPENDIX

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

TUBE TINKER

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