



ELECTRONIC TUBE REFERENCE

GR12G

Nixie electronic tube

CONSOLIDATED TECHNICAL DATA

1 SECTION
CONSTRUCTION
NIXIE

Gas-filled cold-cathode alphabetic character indicator designed to display letter characters by selective glow discharge.

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	220 V
MAXIMUM CATHODE CURRENT	5 mA
<i>Applicable published ratings promoted; switching, display, trigger and regulator characteristics retained as parameters.</i>	

GR12G is a cold-cathode alphabetic character 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
Minimum breakdown voltage	220 V	—
Nominal/running voltage	170 V	—
Displayed characters	A to L i	—
Display orientation	Side-viewing	—

OTHER		
PARAMETER	PUBLISHED VALUE	CONDITION / NOTE
Maximum cathode/anode current	5 mA	—



SOURCE OPERATING CONDITIONS

[SOURCE PDF](#)

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

OTHER		
PARAMETER	PUBLISHED VALUE	CONDITION / NOTE
Anode Supply Voltage	250 V	Published datasheet value
Maximum Cathode Current	9 mA	Published datasheet value
Maximum Cathode Current Letter I	5 mA	Published datasheet value

PARAMETER	PUBLISHED VALUE	CONDITION / NOTE
Maximum Cathode Current Letters L and T	5.5 mA	Published datasheet value
Maximum Cathode Current Letters J and F	7.5 mA	Published datasheet value

CHARACTERISTIC		
PARAMETER	PUBLISHED VALUE	CONDITION / NOTE
Running Voltage Letter T	170 V	At 4.5 mA
Running Voltage Letters L and T	175 V	At 5.0 mA
Running Voltage Letters J and F	185 V	At 6.25 mA

TUBE TINKER

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