

ELECTRONIC TUBE REFERENCE

GCA10G

Nixie electronic tube

CONSOLIDATED TECHNICAL DATA

1 SECTION
CONSTRUCTION
NIXIE

Bidirectional ten-way cold-cathode counter/selector Dekatron. A transferable glow discharge steps among ten positions in either direction, allowing the tube to perform electronic counting, sequencing, and selection rather than serving only as a visual indicator.

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	3 mA
MAINTAINING VOLTAGE	240 V
Published cold-cathode ratings and characteristics promoted where applicable.	

GCA10G is a bi-directional 10-way counter/selector Dekatron, classified as Nixie for this batch. The supplied datasheet describes its cold-cathode discharge operation and published electrical ratings/operating conditions.



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

OTHER		
PARAMETER	PUBLISHED VALUE	CONDITION / NOTE
Maximum counting rate	5000 pulses/s	Published datasheet value

CHARACTERISTIC		
PARAMETER	PUBLISHED VALUE	CONDITION / NOTE
Running voltage	240 V	Published datasheet value



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
Maximum Anode/Cathode Current	3 mA	Published datasheet value
Minimum/Typical Supply Voltage	440 V	Published datasheet value
Maximum Counting Rate	10 kHz	Published datasheet value
Maximum Main Anode Current	0.9 mA	Published datasheet value
Maximum Auxiliary Anode Current	2.5 mA	Published datasheet value

PARAMETER	PUBLISHED VALUE	CONDITION / NOTE
Typical Main Anode Supply Voltage	475 V	Published datasheet value
Typical Auxiliary Anode Voltage	225 V	Published datasheet value

CHARACTERISTIC		
PARAMETER	PUBLISHED VALUE	CONDITION / NOTE
Minimum Anode/Cathode Current	2.3 mA	Published datasheet value
Running/Maintaining Voltage	240 V	Published datasheet value

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