

ELECTRONIC TUBE REFERENCE

GR10J

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	150 V
MAXIMUM CATHODE CURRENT	4 mA
Applicable published ratings promoted; switching, display, trigger and regulator characteristics retained as parameters.	

GR10J is a cold-cathode 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
Minimum breakdown voltage	150 V	—
Nominal/running voltage	145 V	—
Display orientation	Side-viewing	—

OTHER

PARAMETER	PUBLISHED VALUE	CONDITION / NOTE
Maximum cathode/anode current	4 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	4 mA	Published datasheet value



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	150 V	Comparable RFT type Z5660M
Anode Burning Voltage	140 V	Comparable RFT type Z5660M
Anode Extinction Voltage	120 V	Comparable RFT type Z5660M

OTHER		
PARAMETER	PUBLISHED VALUE	CONDITION / NOTE
Minimum Cathode Current	3 mA	Comparable RFT type Z5660M
Maximum Cathode Current	6 mA	Comparable RFT type Z5660M
Peak Cathode Current	20 mA	Comparable RFT type Z5660M
Minimum Ambient Temperature	-10 degC	Comparable RFT type Z5660M
Maximum Ambient Temperature	50 degC	Comparable RFT type Z5660M
Symbol Height	30 mm	Comparable RFT type Z5660M
Maximum Viewing Distance	18 m	Comparable RFT type Z5660M
Maximum Bulb Height	62 mm	Comparable RFT type Z5660M
Maximum Bulb Diameter	29.2 mm	Comparable RFT type Z5660M