

ELECTRONIC TUBE REFERENCE

DZ10

Specialized - Switching Tube electronic tube

CONSOLIDATED TECHNICAL DATA

1 SECTION

CONSTRUCTION

COUNTERSELECTORSWITCH

Decade counting tube with optical and electrical readout. Sequential gas-discharge transfer provides electronic decimal counting and direct indication.

GENERAL CHARACTERISTICS

BASE DESIGNATION	—	BASE PINS	14
NOMINAL HEATER	— / —	PARALLEL HEATER	— / —
HEATING	Indirect; cold cathode	SERIES OPERATION	Not specified
CATHODE ARRANGEMENT	Separate cathodes	SECTION CONSTRUCTION	Similar

SECTION RATINGS

SECTION1 CounterSelectorSwitch	
MAXIMUM PLATE VOLTAGE	220 V
MAXIMUM CATHODE CURRENT	20 mA
Cold-cathode switching/relay/display section; device-specific glow-discharge values preserved in parameter table.	

DZ10 is a decade counting tube with optical/electrical readout, 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](#)

1962 Cerberus

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

1962 CERBERUS

Section 1 · CounterSelectorSwitch

CHARACTERISTIC		
PARAMETER	PUBLISHED VALUE	CONDITION / NOTE
BreakdownVoltage	160–200 V	Cathode-anode
MaintainingVoltage	110–115 V	At 4 mA

OTHER		
PARAMETER	PUBLISHED VALUE	CONDITION / NOTE
CountingSpeed	—3000 Hz	—
MeanAnodeCurrent	2–6 mA	—
Peak Anode Current	—20 mA	Max 1 second
Anode Supply Voltage	220–400 V	—



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 · CounterSelectorSwitch

OTHER		
PARAMETER	PUBLISHED VALUE	CONDITION / NOTE
Maximum Anode/Cathode Current	8 mA	Published datasheet value
Minimum/Typical Supply Voltage	220 V	Published datasheet value

PARAMETER	PUBLISHED VALUE	CONDITION / NOTE
Maximum Counting Rate	3 kHz	Published datasheet value
Peak Anode Current	20 mA	Maximum 1 second
Maximum Supply Voltage	400 V	Published datasheet value

CHARACTERISTIC		
PARAMETER	PUBLISHED VALUE	CONDITION / NOTE
Minimum Anode/Cathode Current	2 mA	Published datasheet value
Running/Maintaining Voltage	112 V	Published datasheet value
Ignition Voltage Minimum	160 V	Published datasheet value
Ignition Voltage Maximum	200 V	Published datasheet value

TUBE TINKER

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