

ELECTRONIC TUBE REFERENCE

CD66P

Nixie electronic tube

CONSOLIDATED TECHNICAL DATA

1 SECTION

CONSTRUCTION

NIXIE

Pulse-operated cold-cathode Nixie numerical indicator with decimal point, designed for high-brightness pulsed display operation.

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	20 mA
STARTING VOLTAGE	190 V
Pulse-operated cold-cathode numerical indicator section.	

Pulse-operated cold-cathode Nixie numerical indicator with decimal point. The shared table specifies ionization voltage, peak and average current ranges, pulse duration, temperatures, and recommended anode resistors.

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
Supply voltage minimum	190 V	Pulse operation
Ionization voltage maximum	190 V	Pulse operation
Numerical cathode average power dissipation maximum	0.5 W	Pulse operation
Decimal-point average power dissipation maximum	0.1 W	Pulse operation
Peak numerical cathode current range	9–20 mA	Pulse operation
Peak decimal-point cathode current range	1–6 mA	Pulse operation
Average numerical cathode current range	1–2 mA	Pulse operation
Average decimal-point cathode current range	0.1–0.5 mA	Pulse operation
Storage ambient temperature	–65–70 °C	—
Operating ambient temperature	–10–55 °C	—
Maximum viewing angle	100 deg	Approximate
Weight	9 g	Approximate
Pulse duration range	0.05–0.5 ms	—
Anode series resistor	2 kΩ	Pulse operation; SupplyVoltage=190V
Anode series resistor	2.7 kΩ	Pulse operation; SupplyVoltage=200V
Anode series resistor	4.4 kΩ	Pulse operation; SupplyVoltage=250V

CHARACTERISTICS		
PARAMETER	PUBLISHED VALUE	CONDITION / NOTE
Numerical cathode current	15 mA	Duty 1/10; Ebb=190Vdc; Rp=2kΩ