



ELECTRONIC TUBE REFERENCE

CV5842

Nixie electronic tube

CONSOLIDATED TECHNICAL DATA

1 SECTION

CONSTRUCTION

NIXIE

Long-life cold-cathode ten-digit end-viewing numerical register. Its glow-discharge digit cathodes provide direct numerical indication, with the manufacturer specifying extended life when displayed characters are switched at least once every 24 hours.

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	250 V
MAXIMUM CATHODE CURRENT	1.8 mA
Cold-cathode discharge/counting/display section; published electrical data retained as parameters.	

CV5842 is a long-life 10-digit end-viewing numerical register, 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 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	1.8 mA	Published datasheet value
Minimum/Typical Supply Voltage	250 V	Published datasheet value

CHARACTERISTIC		
PARAMETER	PUBLISHED VALUE	CONDITION / NOTE
Running/Maintaining Voltage	140 V	Published datasheet value
Minimum Breakdown Voltage	150 V	Published datasheet value
Life Expectancy	10000 h	Characters switched at least every 24 h

TUBE TINKER

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and their source documents.

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