



ELECTRONIC TUBE REFERENCE

LD5001

Nixie electronic tube

CONSOLIDATED TECHNICAL DATA

1 SECTION

CONSTRUCTION

NIXIE

NEC side-view cold-cathode symbol display tube showing units including ohms, milliseconds, microseconds, hertz, kilohertz, and megahertz. Its approximately 10 mm characters make it a specialized companion symbol indicator for numerical display equipment.

GENERAL CHARACTERISTICS

BASE DESIGNATION	—	BASE PINS	11
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 CATHODE CURRENT	2.7 mA
Cold-cathode Nixie/display-discharge section. Supply value in source is minimum anode DC supply voltage.	

NEC side-view cold-cathode display-discharge tube showing unit symbols ω , ms, μ s, Hz, kHz, MHz. It has an approximate 10 mm display height. The catalog gives a 170 V minimum anode supply and 1.5–2.7 mA cathode current for the main display. Termination/socket information is Wire-leaded. Symbol display tube; catalog notes it as a symbol-tube companion to the CD66(A)/CD74 family.

SOURCE OPERATING CONDITIONS

[SOURCE PDF](#)

196X Nixie NEC

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

196X NIXIE NEC

Section 1 · Nixie

DISPLAY		
PARAMETER	PUBLISHED VALUE	CONDITION / NOTE
Display content	Unit symbols Ω , ms, μ s, Hz, kHz, MHz	—
Viewing orientation	side	—
Display construction	side-view	—

OTHER		
PARAMETER	PUBLISHED VALUE	CONDITION / NOTE
Display height	10 mm	—
Overall length maximum	47.6 mm	—
Bulb size maximum	19 mm	—
Lead length minimum	33 mm	—
Anode supply voltage minimum	170— Vdc	Minimum DC anode supply
Cathode current	1.5–2.7 mA	Displayed cathode

BASE		
PARAMETER	PUBLISHED VALUE	CONDITION / NOTE
Socket or termination	Wire-leaded	—