



ELECTRONIC TUBE REFERENCE

CD74

Nixie electronic tube

CONSOLIDATED TECHNICAL DATA

1 SECTION

CONSTRUCTION

NIXIE

NEC side-view cold-cathode Nixie displaying digits 0-9 with approximately 16 mm character height and wire-leaded construction.

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	3 mA
<i>Cold-cathode Nixie/display-discharge section. Supply value in source is minimum anode DC supply voltage.</i>	

NEC side-view cold-cathode display-discharge tube showing digits 0-9. It has an approximate 16 mm display height. The catalog gives a 170 V minimum anode supply and 1.5-3.0 mA cathode current for the main display. Termination/socket information is Wire-leaded.

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	Digits 0-9	—
Viewing orientation	side	—
Display construction	side-view	—

OTHER		
PARAMETER	PUBLISHED VALUE	CONDITION / NOTE
Display height	16 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	1.5–3 mA	Digits 0-9

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