



ELECTRONIC TUBE REFERENCE

CD16A

Nixie electronic tube

CONSOLIDATED TECHNICAL DATA

1 SECTION

CONSTRUCTION

NIXIE

NEC top-view cold-cathode numerical display tube showing digits 0-9 and a decimal point with approximately 28 mm character height.

GENERAL CHARACTERISTICS

BASE DESIGNATION	—	BASE PINS	12
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	5 mA
<i>Cold-cathode Nixie/display-discharge section. Supply value in source is minimum anode DC supply voltage.</i>	

NEC head-view cold-cathode display-discharge tube showing digits 0-9 and decimal point. It has an approximate 28 mm display height. The catalog gives a 200 V minimum anode supply and 3.0-5.0 mA cathode current for the main display. Termination/socket information is M-117.

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 and decimal point	—
Viewing orientation	top	—
Display construction	head-view	—

OTHER		
PARAMETER	PUBLISHED VALUE	CONDITION / NOTE
Display height	28 mm	—
Overall length maximum	56 mm	—
Bulb size maximum	41 mm	—
Mounting height approximately	39 mm	—
Anode supply voltage minimum	200— Vdc	Minimum DC anode supply
Cathode current	3–5 mA	Digits 0-9
Decimal-point cathode current	0.3–2 mA	Decimal point

BASE		
PARAMETER	PUBLISHED VALUE	CONDITION / NOTE
Socket or termination	M-117	—