

ELECTRONIC TUBE REFERENCE

8502

Nixie electronic tube

CONSOLIDATED TECHNICAL DATA

1 SECTION

CONSTRUCTION

NIXIE

Miniature cold-cathode numerical indicator with common anode and ten numeral-shaped cathodes, designed for low-voltage 120 V DC direct readout.

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

No fixed ratings recorded.

Promoted fields are used only where the published value maps cleanly to the locked schema; device-specific microwave, pulse, photoelectric, camera, and indicator data are preserved as parameter rows.

Miniature cold-cathode numerical indicator with common anode and ten numeral-shaped cathodes, designed for low-voltage 120 V DC direct readout.

SOURCE OPERATING CONDITIONS

[SOURCE PDF](#)

1964 RMA EIA

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

1964 RMA EIA

Section 1 · Nixie

OTHER		
PARAMETER	PUBLISHED VALUE	CONDITION / NOTE
Ionization voltage maximum	120 V	—
Supply voltage minimum	120 V	—
Cathode current maximum	2 mA	—
Supply voltage	120 V	TestCircuit
Series resistance	20000 Ohm	TestCircuit
Cathode current minimum	0.7 mA	Test
Cathode current maximum	1.4 mA	Test
Ambient temperature minimum	-65 degC	—
Ambient temperature maximum	85 degC	—
Altitude maximum	70000 ft	—

TUBE TINKER

An independent reference for electronic tubes, vacuum tubes,
and their source documents.

[Catalog](#) [Tube types](#) [Full books](#) [Blog](#) [Feedback & corrections](#)

© 2026 Tube Tinker