



ELECTRONIC TUBE REFERENCE

F9020

Nixie electronic tube

CONSOLIDATED TECHNICAL DATA

1 SECTION

CONSTRUCTION

NIXIE

Cold-cathode gas numerical display tube with ten superimposed cathodes shaped as digits. Selection of an individual cathode produces a directly readable glowing numeral, providing an electronic numerical display without moving parts.

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

No fixed ratings recorded.

Cold-cathode numerical-display discharge structure.

The F9020 is a cold-cathode gas numerical display tube with ten superimposed digit-shaped cathodes for direct reading.

SOURCE OPERATING CONDITIONS

[SOURCE PDF](#)

1958 Compagnie General

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

1958 COMPAGNIE GENERAL

Section 1 · Nixie

OTHER

PARAMETER	PUBLISHED VALUE	CONDITION / NOTE
Maximum Anode Supply Voltage	300 V	—
Maximum Cathode Current	15 mA	Per cathode

CHARACTERISTICS

PARAMETER	PUBLISHED VALUE	CONDITION / NOTE
Ignition Voltage Maximum	160 V	—
Cathode Current Minimum	10 mA	—
Cathode Current Maximum	14 mA	—

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