

Cold-cathode gas numerical display tube using ten superimposed digit-shaped cathodes for direct reading. Individual cathodes form the numerals, allowing selected digits to glow visibly without a separate mechanical or optical display mechanism.

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.
Cold-cathode numerical-display discharge structure.

The F9004 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	6 mA	Per cathode

CHARACTERISTICS

PARAMETER	PUBLISHED VALUE	CONDITION / NOTE
Ignition Voltage Maximum	160 V	—
Cathode Current Minimum	2.2 mA	—
Cathode Current Maximum	3.6 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