



ELECTRONIC TUBE REFERENCE

GR5

Nixie electronic tube

CONSOLIDATED TECHNICAL DATA

1 SECTION
CONSTRUCTION
NIXIE

Cold-cathode Nixie symbol display showing arithmetic operators plus, minus, multiply, and divide for calculators and computational readouts.

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 display section. The source table publishes operating-point and mechanical data rather than conventional vacuum-tube gm/rp/mu ratings.

GR5 is a cold-cathode Nixie display tube listed in a Japanese numeric/symbol display-tube table. It displays + − × ÷. The table gives a maximum overall length of 44.5 mm, a maximum display diameter of 32 mm, and maximum power consumption of 0.5 W. Approximate visible distance is 13 m.

SOURCE OPERATING CONDITIONS

[SOURCE PDF](#)

1969 Nixie Zennippon Shinkukan

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

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Section 1 · Nixie

CHARACTERISTICS		
PARAMETER	PUBLISHED VALUE	CONDITION / NOTE
Displayed symbols	+ − × ÷	—
Visible distance	13 m	Approximate

OTHER		
PARAMETER	PUBLISHED VALUE	CONDITION / NOTE
Connection diagram number	6	See source basing/connection diagram
Maximum overall length	44.5 mm	—
Maximum display diameter	32 mm	—
Maximum power consumption	0.5 W	—
Anode supply DC voltage	170— V	Greater than
Average anode current	2.5 mA	AnodeSupplyVoltage>170V; approximate

TUBE TINKER

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

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