

ELECTRONIC TUBE REFERENCE

ZA1004

Diode (NOT rectifier) electronic tube

CONSOLIDATED TECHNICAL DATA
1 SECTION
CONSTRUCTION
DIODE

Subminiature gas-filled cold-cathode indicator diode producing a visible glow discharge for electronic indication applications.

GENERAL CHARACTERISTICS

BASE DESIGNATION	—	BASE PINS	3
NOMINAL HEATER	— / —	PARALLEL HEATER	— / —
HEATING	Indirect; cold cathode	SERIES OPERATION	Not specified
CATHODE ARRANGEMENT	Separate cathodes	SECTION CONSTRUCTION	Similar

SECTION RATINGS

SECTION1 Diode
No fixed ratings recorded.
Cold-cathode gas-filled subminiature indicator diode with visible glow discharge

ZA1004 is a cold-cathode gas-filled subminiature indicator diode with visible glow discharge. The supplied Philips datasheet was read for operating principle, ignition and maintaining voltages, current limits, switching/counting behavior, and display characteristics where applicable.

SOURCE OPERATING CONDITIONS

[SOURCE PDF](#)

1999 Philips E-Z

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

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Section 1 · Diode

OTHER		
PARAMETER	PUBLISHED VALUE	CONDITION / NOTE
Ignition voltage	90 V	—
Extinction voltage	83.5 V	—
Cathode current	1 mA	—
Light intensity	60 lux	I _k =1mA