



ELECTRONIC TUBE REFERENCE

ZM1002

Nixie electronic tube

CONSOLIDATED TECHNICAL DATA

1 SECTION
CONSTRUCTION
NIXIE

Long-life side-viewing cold-cathode unit-symbol indicator. Its shaped cathodes display measurement-unit characters directly, making it a companion character tube for numerical instrumentation rather than a conventional ten-digit 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	
MAXIMUM PLATE VOLTAGE	170 V
MAXIMUM CATHODE CURRENT	4 mA
<i>Cold-cathode discharge/display/counting section; published values retained as parameters.</i>	

ZM1002 is a cold-cathode long-life side-viewing unit-symbol character indicator, classified as Nixie for this batch. The supplied datasheet was reviewed for operating conditions, ratings, and display/counting characteristics.



SOURCE OPERATING CONDITIONS

[SOURCE PDF](#)

196X Nixie Random Datasheets

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

196X NIXIE RANDOM DATASHEETS

Section 1 · Nixie

OTHER		
PARAMETER	PUBLISHED VALUE	CONDITION / NOTE
Supply Voltage	170 V	Published datasheet value
Maximum/Normal Cathode Current	4 mA	Published datasheet value
Character Height Minimum	9 mm	Published datasheet value
Character Height Maximum	13 mm	Published datasheet value

CHARACTERISTIC		
PARAMETER	PUBLISHED VALUE	CONDITION / NOTE
Minimum Cathode/Anode Current	4 mA	Published datasheet value



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.

1999 PHILIPS E-Z

Section 1 · Nixie

CHARACTERISTICS		
PARAMETER	PUBLISHED VALUE	CONDITION / NOTE
Supply voltage V ba min. 170 V	170 S	Supply voltage V ba min. 170 V
Anode current Ia 4 mA	4 A	Anode current Ia 4 mA

PARAMETER	PUBLISHED VALUE	CONDITION / NOTE
Character indicator tube to be used in conjunction with ZM1000 numerical indicator tube	0 a	Character indicator tube to be used in conjunction with ZM1000 numerical indicator tube

TUBE TINKER

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