

ELECTRONIC TUBE REFERENCE

IN14

Nixie electronic tube

CONSOLIDATED TECHNICAL DATA

1 SECTION

CONSTRUCTION

NIXIE

Russian cold-cathode Nixie numerical display tube for direct visual indication, comparable in function to RFT Z5730M/Z5740M types.

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 CATHODE CURRENT	2.5 mA
MAXIMUM REGULATOR CURRENT	2.5 A
STARTING VOLTAGE	170 V
MAINTAINING VOLTAGE	170 V
Single cold-cathode glow-discharge indicator section; Nixie-specific operating data are also retained as parameters.	

IN14 is a cold-cathode Nixie numeric/symbol display tube. The supplied datasheet set identifies Z5730M/Z5740M as a comparable RFT display type and provides ignition, burning and extinction voltages, cathode-current limits, environmental limits and mechanical/display data through that comparison.

SOURCE OPERATING CONDITIONS

[SOURCE PDF](#)

196X Nixie Russian 2

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

196X NIXIE RUSSIAN 2

Section 1 · Nixie

OTHER		
PARAMETER	PUBLISHED VALUE	CONDITION / NOTE
Ignition delay time	—1 s	Published datasheet value
Decimal-point indication current	—0.3 mA	Published datasheet value
Digit indication current	—2.5 mA	Published datasheet value
Ambient operating temperature minimum	-60 degC	Published datasheet value
Ambient operating temperature maximum	70 degC	Published datasheet value
Supply voltage	200— V	Minimum stated source/supply voltage
Ignition voltage	—170 V	Published datasheet value
Maintaining voltage / anode-cathode drop	—170 V	Published datasheet value
Indication current	—2.5 mA	Published datasheet value

CHARACTERISTIC		
PARAMETER	PUBLISHED VALUE	CONDITION / NOTE
Service life	5000— h	Minimum

SOURCE OPERATING CONDITIONS

[SOURCE PDF](#)

1971 Nixie RFT

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

1971 NIXIE RFT

CHARACTERISTIC		
PARAMETER	PUBLISHED VALUE	CONDITION / NOTE
Anode Ignition Voltage	150 V	Comparable RFT type Z5730M/Z5740M
Anode Burning Voltage	140 V	Comparable RFT type Z5730M/Z5740M
Anode Extinction Voltage	120 V	Comparable RFT type Z5730M/Z5740M

OTHER		
PARAMETER	PUBLISHED VALUE	CONDITION / NOTE
Minimum Cathode Current	1.5 mA	Comparable RFT type Z5730M/Z5740M
Maximum Cathode Current	2.5 mA	Comparable RFT type Z5730M/Z5740M
Peak Cathode Current	12 mA	Comparable RFT type Z5730M/Z5740M
Minimum Ambient Temperature	-50 degC	Comparable RFT type Z5730M/Z5740M
Maximum Ambient Temperature	70 degC	Comparable RFT type Z5730M/Z5740M
Symbol Height	13 mm	Comparable RFT type Z5730M/Z5740M
Maximum Viewing Distance	8 m	Comparable RFT type Z5730M/Z5740M
Maximum Bulb Height	47.6 mm	Comparable RFT type Z5730M/Z5740M
Maximum Bulb Diameter	19 mm	Comparable RFT type Z5730M/Z5740M

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