

ELECTRONIC TUBE REFERENCE

ZM1132K

Nixie electronic tube

CONSOLIDATED TECHNICAL DATA

1 SECTION
CONSTRUCTION
NIXIE

Cold-cathode Nixie indicator cross-referenced to RFT Z5700M for direct numerical or character readout.

GENERAL CHARACTERISTICS

BASE DESIGNATION	Wire lead	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
MINIMUM REGULATOR CURRENT	1.5 A
MAXIMUM REGULATOR CURRENT	2.5 A
STARTING VOLTAGE	150 V
MAINTAINING VOLTAGE	140 V
Cold-cathode display section; promoted starting/maintaining voltages and current range are published for comparable RFT type Z5700M. Comparable RFT mapping: Z5700M; values are comparison-catalog data, not asserted identical original ratings.	

ZM1132K is a cold-cathode Nixie indicator listed in the supplied German comparison catalog as comparable to RFT type Z5700M. The referenced RFT table publishes a striking value of 150 V, a maintaining/glow value of 140 V, an extinction value of 120 V, along with cathode-current, display, environmental, and mechanical data. The catalog explicitly cautions that comparable tubes are not necessarily identical, so these mapped RFT values are retained as comparison data rather than asserted as exact original-manufacturer ratings.

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

Section 1 · Nixie

OTHER		
PARAMETER	PUBLISHED VALUE	CONDITION / NOTE
Comparable RFT Type	Z5700M	Catalog cross-reference; comparable types are not guaranteed identical; ComparableRFT=Z5700M
Minimum Operating Supply Voltage	170 V	Published for comparable RFT type Z5700M; ComparableRFT=Z5700M
Cathode Current Minimum	1.5 mA	Published for comparable RFT type Z5700M; ComparableRFT=Z5700M
Cathode Current Maximum	2.5 mA	Published for comparable RFT type Z5700M; ComparableRFT=Z5700M
Peak Cathode Current	12 mA	Published for comparable RFT type Z5700M; ComparableRFT=Z5700M
Ambient Temperature Minimum	-50 °C	Published for comparable RFT type Z5700M; ComparableRFT=Z5700M
Ambient Temperature Maximum	70 °C	Published for comparable RFT type Z5700M; ComparableRFT=Z5700M
Displayed Symbols	0 to 9	Published for comparable RFT type Z5700M; ComparableRFT=Z5700M
Reading Direction	side	Published for comparable RFT type Z5700M; ComparableRFT=Z5700M
Symbol Height	13 mm	Published for comparable RFT type Z5700M; ComparableRFT=Z5700M
Maximum Viewing Distance	8 m	Published for comparable RFT type Z5700M; ComparableRFT=Z5700M
Mounting Orientation	Wire 7 facing front	Published for comparable RFT type Z5700M; ComparableRFT=Z5700M
Maximum Bulb Height	47.6 mm	Published for comparable RFT type Z5700M; ComparableRFT=Z5700M

PARAMETER	PUBLISHED VALUE	CONDITION / NOTE
Maximum Bulb Diameter	19 mm	Published for comparable RFT type Z5700M; ComparableRFT=Z5700M

CHARACTERISTIC		
PARAMETER	PUBLISHED VALUE	CONDITION / NOTE
Anode Striking Voltage	150 V	Published for comparable RFT type Z5700M; ComparableRFT=Z5700M
Anode Maintaining Voltage	140 V	Published for comparable RFT type Z5700M; ComparableRFT=Z5700M
Anode Extinction Voltage	120 V	Published for comparable RFT type Z5700M; ComparableRFT=Z5700M

TUBE TINKER

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