



ELECTRONIC TUBE REFERENCE

F9080B

Nixie electronic tube

CONSOLIDATED TECHNICAL DATA

1 SECTION

CONSTRUCTION

NIXIE

Cold-cathode numeric or character indicator cross-referenced to RFT Z570M. The comparison catalog explicitly warns that comparable types need not be electrically identical, so the relationship supports functional identification rather than exact rating equivalence.

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

SECTION 1 Nixie	
MAXIMUM CATHODE CURRENT	2.5 mA
STARTING VOLTAGE	150 V
MAINTAINING VOLTAGE	140 V
<i>Cold-cathode display section; promoted starting/maintaining voltages are anode striking/burning values published for comparable RFT type Z570M.</i>	

F9080B is a cold-cathode numeric or character indicator tube listed in the supplied German comparison catalog as comparable to RFT type Z570M. The catalog provides electrical and mechanical data for that RFT type, including anode striking, maintaining, and operating limits. The source cautions that comparable types are not necessarily electrically identical, so the 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	Z570M	Catalog cross-reference; comparable types are not guaranteed identical
Minimum Operating Supply Voltage	170 V	Published for comparable RFT type Z570M
Cathode Current Minimum	1.5 mA	Published for comparable RFT type Z570M
Cathode Current Maximum	2.5 mA	Published for comparable RFT type Z570M
Peak Cathode Current	12 mA	Published for comparable RFT type Z570M
Ambient Temperature Minimum	-50 °C	Published for comparable RFT type Z570M
Ambient Temperature Maximum	70 °C	Published for comparable RFT type Z570M
Maximum Bulb Height	47.6 mm	Published for comparable RFT type Z570M
Maximum Bulb Diameter	19 mm	Published for comparable RFT type Z570M

CHARACTERISTIC		
PARAMETER	PUBLISHED VALUE	CONDITION / NOTE
Anode Striking Voltage	150 V	Published for comparable RFT type Z570M
Anode Maintaining Voltage	140 V	Published for comparable RFT type Z570M
Anode Extinction Voltage	120 V	Published for comparable RFT type Z570M