

ELECTRONIC TUBE REFERENCE

8L029I

Specialized - Cathode Ray electronic tube

CONSOLIDATED TECHNICAL DATA

1 SECTION
CONSTRUCTION
CATHODERAY

Russian cathode-ray instrument tube for visual registration of electrical processes, with manufacturer-defined electron-optical focusing, deflection, and accelerating-voltage characteristics.

GENERAL CHARACTERISTICS

BASE DESIGNATION	—	BASE PINS	—
NOMINAL HEATER	6.3 V / —	PARALLEL HEATER	— / —
HEATING	Indirect	SERIES OPERATION	Not specified
CATHODE ARRANGEMENT	Separate cathodes	SECTION CONSTRUCTION	Similar

SECTION RATINGS

SECTION1 Cathode Ray	
MAXIMUM PLATE VOLTAGE	2200 V
English-primary bilingual extraction; published ratings promoted where clear.	

Kathodenstrahlröhre | CRT

SOURCE OPERATING CONDITIONS

[SOURCE PDF](#)

195X Russian

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

195X RUSSIAN

Section 1 · Cathode Ray

CHARACTERISTICS		
PARAMETER	PUBLISHED VALUE	CONDITION / NOTE
Schirm ø screen dia	70	Schirm ø screen dia. 70mm
Anodenspannung anode voltage	1.5	Anodenspannung anode voltage 1,5kV
Heizspannung filament voltage	-10	Heizspannung filament voltage 6,3V 600mA±10%
Anodenspannung anode voltage	1500 V	Anodenspannung anode voltage 1500 V
Ablenkempfindlichkeit deflection sensitivity X	0.26 V	Ablenkempfindlichkeit deflection sensitivity X 0,14...0,26 mm/V
Fokusspannung focussing voltage	516 V	Fokusspannung focussing voltage 280...516 V
Spannung am	2	Spannung am 1. Gitter für 16cd/m ²
control grid voltage for	-35	control grid voltage for 16cd/m ² -22,5...-67,5V Typ -35V
Fokusgröße bei	0.55	Fokusgröße bei 16cd/m ² spot size at 16cd/m ² <0,55mm
Bezugsebene durch Mittelpunkt und Stift	5	Bezugsebene durch Mittelpunkt und Stift 5 reference plane thru center and pin no. 5
Winkel X-Achse angle between X and reference <±	-10	Winkel X-Achse angle between X and reference <±10°
Winkel zwischen X und Y angle between X and Y	-3	Winkel zwischen X und Y angle between X and Y 90°±3°
Heizspannung filament voltage	6.9	Heizspannung filament voltage 5,7...6,9V
Anodenspannung anode voltage	2200	Anodenspannung anode voltage 1500...2200V
Fokusspannung focussing voltage <	1100	Fokusspannung focussing voltage <1100V

PARAMETER	PUBLISHED VALUE	CONDITION / NOTE
Published electrical value	0	G1–Spannung grid no.1 voltage –125...0V
Spannung Heizung/Kathode Voltage filament/cathode –	0	Spannung Heizung/Kathode Voltage filament/cathode –125...0V
voltage between deflection plates and anode –	550	voltage between deflection plates and anode –550V...+550V

TUBE TINKER

An independent reference for electronic tubes, vacuum tubes, and their source documents.

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