



ELECTRONIC TUBE REFERENCE

1TS7S

Rectifier - TV Line Scan Boost electronic tube

CONSOLIDATED TECHNICAL DATA

1 SECTION
CONSTRUCTION
RECTIFIER

High-voltage rectifier for high-frequency pulse rectification, particularly scanning circuits. Its very high inverse-voltage capability and low output current emphasize fast pulse service rather than ordinary DC power rectification.

GENERAL CHARACTERISTICS

BASE DESIGNATION	—	BASE PINS	—
NOMINAL HEATER	1.4 V / 200 mA	PARALLEL HEATER	— / —
HEATING	Direct	SERIES OPERATION	Not specified
CATHODE ARRANGEMENT	Separate cathodes	SECTION CONSTRUCTION	Similar

SECTION RATINGS

SECTION1 Rectifier	
PEAK INVERSE VOLTAGE	30000 V
NOMINAL OUTPUT CURRENT	2 mA
<i>Values promoted where clearly identifiable from Russian source.</i>	

High-voltage rectifier for high-frequency pulse rectification, primarily in scanning circuits.

SOURCE OPERATING CONDITIONS

[SOURCE PDF](#)

1981 Russian Tubes Katsnelson and Larionov

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

1981 RUSSIAN TUBES KATSNELSON AND LARIONOV

Section 1 · Rectifier

CHARACTERISTIC		
PARAMETER	PUBLISHED VALUE	CONDITION / NOTE
Plate current	4 mA	Published Russian-source value; OCR-normalized.
Rectified output current	30 kV	Published Russian-source value; OCR-normalized.
Service life	800 V	Published Russian-source value; OCR-normalized.
Plate current	3.2 mA	Published Russian-source value; OCR-normalized.
Rectified output current	2 mA	Published Russian-source value; OCR-normalized.
Peak inverse voltage	30 kV	Published Russian-source value; OCR-normalized.
Rectified output current	2 mA	Published Russian-source value; OCR-normalized.
Plate current	17 mA	Published Russian-source value; OCR-normalized.
Plate current	4 mA	Published Russian-source value; OCR-normalized.
Rectified output current	16 kV	Published Russian-source value; OCR-normalized.
Service life	1500 h	Published Russian-source value; OCR-normalized.
Peak inverse voltage	20 kV	Published Russian-source value; OCR-normalized.
Rectified output current	390 μ A	Published Russian-source value; OCR-normalized.

PARAMETER	PUBLISHED VALUE	CONDITION / NOTE
Plate current	2 mA	Published Russian-source value; OCR-normalized.
Heater voltage	1.4 V	Nominal/published heater value.
Heater current	200 mA	Nominal/published heater value.

TUBE TINKER

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