ELECTRONIC TUBE REFERENCE

6X7B

Diode (NOT rectifier) electronic tube

CONSOLIDATED TECHNICAL DATA
1 SECTION
CONSTRUCTION
DIODE

Russian vacuum diode documented with electrical characteristics and ratings but without sufficient functional application detail for a narrower classification.

General characteristics

BASE DESIGNATION	—	**BASE PINS**	8
NOMINAL HEATER	6.3 V / 300 mA	**PARALLEL HEATER**	— / —
HEATING	Indirect	**SERIES OPERATION**	Not specified
CATHODE ARRANGEMENT	Separate cathodes	**SECTION CONSTRUCTION**	Similar

Section ratings

SECTION1 Diode	
PEAK INVERSE VOLTAGE	450 V
Filename-matched Russian source entry only.	

Russian diode vacuum tube. Technical characteristics and ratings are taken from the complete filename-matched source entry.

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 · Diode

CHARACTERISTICS

PARAMETER	PUBLISHED VALUE	CONDITION / NOTE
Heater current	**30 mA**	Translated from Russian source; Ток накала . (300-- 30) мА
Plate current	**20 mA**	Translated from Russian source; Начальный ток анода (при иа_о Кн—40 кОм) < 20 мкА
Plate current	**70 mA**	Translated from Russian source; Ток анода (амплитудное значенне) МА с 70 70
Heater current	**0.125 mA**	Translated from Russian source; Ток накала. . Р, (1,125 +0,125) А
Plate current	**175 mA**	Translated from Russian source; Ток анода (при (1„—20 В) . , 175 мА
Plate resistance	**90 ohm**	Translated from Russian source; Внутреннее сопротивление . , , . , ... , <90 Ом
Plate current	**140 mA**	Translated from Russian source; ток анода . , ..., ... ,. , 140 мА

OTHER

PARAMETER	PUBLISHED VALUE	CONDITION / NOTE
Heater voltage	**6 V**	Translated from Russian source; Напряжение накала, В. , . в е . . .5,7—6,9 6—6 6
Peak inverse voltage	**450 V**	Translated from Russian source; Обратное напряжение, В. 450
Service life	**1000 h**	Translated from Russian source; Наработка. . . . ., ., 2>1000

Tube Tinker

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

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