



ELECTRONIC TUBE REFERENCE

6X6S

Diode (NOT rectifier) electronic tube

CONSOLIDATED TECHNICAL DATA

2 SECTIONS

CONSTRUCTION

DIODE-DIODE

Russian octal double diode designed for signal detection, with two similar diode sections.

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	465 V
NOMINAL OUTPUT CURRENT	8.8 mA
PEAK FORWARD CURRENT	176 mA

Promoted fields are taken from the published electrical-characteristics and maximum-permissible-ratings tables in the approved bilingual source; repeated identical sections are represented once where applicable.

SECTION2 Diode

No fixed ratings recorded.

Second physical Diode section added for documented double-diode construction.

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



SOURCE OPERATING CONDITIONS

[SOURCE PDF](#)

1970 Russian Tubes Mashpriborintorg

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

1970 RUSSIAN TUBES MASHPRIBORINTORG

Section 1 · Diode

CHARACTERISTICS		
PARAMETER	PUBLISHED VALUE	CONDITION / NOTE
Rectified current	16 mA	PerAnode TransformerSecondary=165V
Anode current range	3 mA	Min
Anode current range	24 mA	Max

OTHER		
PARAMETER	PUBLISHED VALUE	CONDITION / NOTE
Maximum heater-to-cathode voltage	360 V	—



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
Plate current	24 mA	Translated from Russian source; Начальный ток анода (при И,=0 и Кн=34 кОм) 3—24 мка

OTHER		
PARAMETER	PUBLISHED VALUE	CONDITION / NOTE
Heater voltage	6.8 V	Translated from Russian source; Напряжение накала 5,7—6,8 В
Peak inverse voltage	465 V	Translated from Russian source; Обратное напряжение . 465 В

TUBE TINKER

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

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