



ELECTRONIC TUBE REFERENCE

6X2P

Diode (NOT rectifier) electronic tube

CONSOLIDATED TECHNICAL DATA

2 SECTIONS

CONSTRUCTION

DIODE-DIODE

Miniature double diode for detector, discriminator, and low-power rectifier service, with high-frequency capability extending into the UHF range.

GENERAL CHARACTERISTICS

BASE DESIGNATION	—	BASE PINS	7
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	
MAXIMUM PLATE DISSIPATION	0.25 W
PEAK INVERSE VOLTAGE	420 V
NOMINAL OUTPUT CURRENT	17 mA
PEAK FORWARD CURRENT	90 mA
MAXIMUM HEATER-CATHODE VOLTAGE	350 V
<i>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.</i>	

SECTION2 Diode	
<i>No fixed ratings recorded.</i>	
<i>Second physical diode section added in approved section-structure reconciliation.</i>	

TESLA EAA91 is a dual diode with separate indirectly heated cathodes for low- and high-frequency operation; one section has a resonant frequency of about 700 MHz.



SOURCE OPERATING CONDITIONS

195X Tesla

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

195X TESLA

Section 1 · Diode

CHARACTERISTICS

PARAMETER	PUBLISHED VALUE	CONDITION / NOTE
Interelectrode capacitances	Published	See source sheet for electrode-specific capacitance values



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	17 mA	TwoDiodes TransformerSecondary=2x150V
Initial anode current	20 nA	PerDiode

OTHER

PARAMETER	PUBLISHED VALUE	CONDITION / NOTE
Maximum heater-to-cathode voltage	350 V	—



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	300 mA	Translated from Russian source; Ток накала, мА . . . 300 +25 30025 30015 300--25 300

OTHER		
PARAMETER	PUBLISHED VALUE	CONDITION / NOTE
Service life	500 h	Translated from Russian source; Нарботка, ч .. 2>5000 2>5000 2>5000 2>500 —
Heater voltage	6.9 V	Translated from Russian source; Напряжение накала, В 5,7—6,9 5,7—1 6—6,6 5,7—7 5,7—6,9
Peak inverse voltage	420 V	Translated from Russian source; Обратное напряжение, В 450 450 500 450 420

TUBE TINKER

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

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