



ELECTRONIC TUBE REFERENCE

12H3S

Diode (NOT rectifier) electronic tube

CONSOLIDATED TECHNICAL DATA

2 SECTIONS

CONSTRUCTION

DIODE-DIODE

Russian twin diode designed for high-frequency oscillation detection and conversion, providing paired rectifying sections for receiver detector and frequency-conversion circuitry.

GENERAL CHARACTERISTICS

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

SECTION RATINGS

SECTION1 Diode

No fixed ratings recorded.

English-primary bilingual extraction; published electrical table values retained in parameters.

SECTION2 Diode

No fixed ratings recorded.

Physical diode section added in approved section-structure reconciliation.

The 12X3C double diode is designed for high- TEEKTHDOBaHUsT W NpeobpasoBaHus Kojebauuit frequency oscillation detection and conversion.

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 · Diode

CHARACTERISTICS		
PARAMETER	PUBLISHED VALUE	CONDITION / NOTE
Source symbol B0	3 A	JBofinvie guoanl 12X3C ycToIYHBBL K BO3Ael- The 12X3C double diodes are resistant to am-
Service life	500 h	lapantupoBasHas nosarosedHocTs 500 uwacos. Service life guarantee: 500 hr.
Source symbol U,	126 V	U, 126V I, 1075525 mA
Source symbol I,	1075525 mA	U, 126V I, 1075525 mA
Published electrical parameter	85 mA	I, 735%85 mA S 1) >0,45 mA/V
Published electrical parameter	>0.45 mA/V	I, 735%85 mA S 1) >0,45 mA/V
Source symbol U,	10 V	U, 10V
Published electrical parameter	1 V	1) Tlpu Uy =1V, u npupamenue Up
Source symbol x	0.1 V	= x0.1 V.
Source symbol Cpxk	0.42-0.62 pF	Cpxk 0,42—0,62 pF
Source symbol CD1D2	0.05-0.15 pF	CD1D2 0,05—0,15 pF
Source symbol U,	145 V	U, 145V 108V P, 0,1 W
Source symbol V	108 V	U, 145V 108V P, 0,1 W
Source symbol P,	0.1 W	U, 145V 108V P, 0,1 W
Source symbol U,	100 V	U, 100 V Ukh 100 V
Source symbol Ukh	100 V	U, 100 V Ukh 100 V
Source symbol U,	250 V	U, 250V A 17 em
Source symbol I,	2 mA	I, 2mA Téannm—xa 150° C
Source symbol I3	20 mA	I3 20mA
Source symbol CpeaHee	3 h	2y CpeaHee 3HaueHHe.

PARAMETER	PUBLISHED VALUE	CONDITION / NOTE
Source symbol MIUTUTYAH0E	3 h	3) AMIUTUTYAH0E 3HAYEHHE.
Published electrical parameter	8 mA	S {8max
Published electrical parameter	2266 mA	2266max
Source symbol Z	32 mA	Z32 max