



ELECTRONIC TUBE REFERENCE

6D13DI

Diode (NOT rectifier) electronic tube

CONSOLIDATED TECHNICAL DATA

1 SECTION
CONSTRUCTION
DIODE

Pulse-service Russian subminiature metal-glass UHF diode designed for detection and rectification in centimeter-wave measurement and radio equipment.

GENERAL CHARACTERISTICS

BASE DESIGNATION	—	BASE PINS	—
NOMINAL HEATER	6.3 V / 210 mA	PARALLEL HEATER	— / —
HEATING	Indirect	SERIES OPERATION	Not specified
CATHODE ARRANGEMENT	Separate cathodes	SECTION CONSTRUCTION	Similar

SECTION RATINGS

SECTION1 Diode	
MAXIMUM PLATE DISSIPATION	1 W
PEAK INVERSE VOLTAGE	450 V
MAXIMUM HEATER-CATHODE VOLTAGE	150 V
<i>Representative section row from the complete filename-matched Russian datasheet content only; neighboring-tube fragments excluded.</i>	

Pulse-service version of the 6D13D subminiature metal-glass UHF diode for detection and rectification in centimeter-wave equipment.

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 voltage nominal	6.3 V	Published heater operating voltage
Heater current nominal	210 mA	Nominal or midpoint of published heater-current tolerance
Initial plate current	0.45 uA	Maximum, plate 0 V with 3 MOhm
Pulse service	1 boolean	Source explicitly identifies 6D13D-I for pulse modes
Internal resistance	700 ohm	Maximum
Sensitivity at 2000 MHz	0.3 A/W	Minimum
Resonant wavelength	7.5 cm	Maximum
Service life	2000 h	Minimum

OTHER		
PARAMETER	PUBLISHED VALUE	CONDITION / NOTE
Peak inverse voltage	450 V	Published

TUBE TINKER

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

[Catalog](#) [Tube types](#) [Full books](#) [Blog](#) [Feedback & corrections](#)

© 2026 Tube Tinker