

Russian diode documented in technical reference literature; available source material does not clearly establish a narrower specialized functional role.

GENERAL CHARACTERISTICS

BASE DESIGNATION	—	BASE PINS	—
NOMINAL HEATER	1.4 V / 2.12 A	PARALLEL HEATER	— / —
HEATING	Direct	SERIES OPERATION	Not specified
CATHODE ARRANGEMENT	Separate cathodes	SECTION CONSTRUCTION	Similar

SECTION RATINGS

SECTION1 Diode	
TRANSCONDUCTANCE	0.000029999999999999997 S
MAXIMUM PLATE VOLTAGE	400 V
MAXIMUM PLATE DISSIPATION	6 W
MAXIMUM CATHODE CURRENT	5.5 mA
Electrical values extracted only from the filename-designated tube block; page-edge fragments excluded.	

2D7S diode from a Russian vacuum-tube reference; technical description translated to English.

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	2.12 A	Ток накала (при $O_0=1,4$ В) 2,12 А
Service life	2250 h	Наработка . . Р., 2250 ч
Heater current	23 A	Ток накала кк 23 А
Plate current	5.5 mA	Ток анода . . . кеа 5,5 мА
Heater current	<550 mA	Ток накала ее < 550 мА
Plate current	1 MA	Ток анода . . . к, . . , 1МА
Transconductance	717 %	Относительная крутизна эмиссионной характеристики , 717%
Service life	>500 h	Наработка. к. .В ее 2>500 ч
Plate current	7 mA	Ток анода . . . к, . . , —&7 мА
Transconductance	<0.03 mA/V	Крутизна характеристики тока насыщения'; , ; — <0,03 мА/В

OTHER		
PARAMETER	PUBLISHED VALUE	CONDITION / NOTE
Plate dissipation	6 V	Мощность, рассеиваемая анодом .. есеее 6 В