

Russian directly heated half-wave rectifier for AC-to-DC power conversion. Available translated manufacturer data confirm the rectifier role and four-volt filament operation without supporting a narrower specialization.

GENERAL CHARACTERISTICS

BASE DESIGNATION	—	BASE PINS	—
NOMINAL HEATER	4 V / —	PARALLEL HEATER	— / —
HEATING	Direct	SERIES OPERATION	Not specified
CATHODE ARRANGEMENT	Separate cathodes	SECTION CONSTRUCTION	Similar

SECTION RATINGS

SECTION1 Rectifier	
TRANSCONDUCTANCE	0.000029999999999999997 S
MAXIMUM PLATE VOLTAGE	200 V
Electrical values extracted only from the filename-designated tube block; page-edge fragments excluded.	

4D17P rectifier 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 · Rectifier

CHARACTERISTICS		
PARAMETER	PUBLISHED VALUE	CONDITION / NOTE
Plate current	7 mA	Ток анода . . . к, , , —&7 мА
Transconductance	<0.03 mA/V	Крутизна характеристики тока насыщения'; , ; — <0,03 мА/В
Plate current	>7 MA	ток анода . ч а о о о я в в о вое ь />7 МА
Heater voltage	<4 V	Напряжение накала . Ка , ., <4 В
Plate voltage	200 V	Напряжение анода тее, э оее 200 В
Plate current	16 MA	Ток анода . й ввовов оо 16 МА
Plate current	100 V	Ток анода (при и,=100 В) мА: >4
Rectified current	30 kV	Выпрямленный ток (при П.....=30 кВ Кд—