



ELECTRONIC TUBE REFERENCE

EM8

Voltage Pentode - Sharp Cutoff (single) electronic tube

CONSOLIDATED TECHNICAL DATA

1 SECTION
CONSTRUCTION
PENTODE

Low-heater-power Russian pentode for specialized small-signal electronic service; available source does not establish a narrower application reliably.

GENERAL CHARACTERISTICS

BASE DESIGNATION	—	BASE PINS	9
NOMINAL HEATER	6.3 V / 100 mA	PARALLEL HEATER	— / —
HEATING	Indirect	SERIES OPERATION	Not specified
CATHODE ARRANGEMENT	Separate cathodes	SECTION CONSTRUCTION	Similar

SECTION RATINGS

SECTION 1 Pentode

No fixed ratings recorded.

Filename-matched Russian entry only.

Pentode vacuum tube described in the Russian reference source. Technical description is translated to English from the complete filename-matched entry.

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 · Pentode

CHARACTERISTICS		
PARAMETER	PUBLISHED VALUE	CONDITION / NOTE
Heater current	100 mA	Translated from Russian source; Ток накала (100+15) mA
Plate current	8 mA	Translated from Russian source; Ток анода . . в в . в в у еа , 1,8Ë8;Ë MA
Transconductance	3 mA/V	Translated from Russian source; Крутизна характеристики к. , . 0,800-3 MA/B
Amplification factor	80	Translated from Russian source; Коэффициент усиления . . ва . 80
Heater current	10 mA	Translated from Russian source; Ток накала (90:10) mA
Plate current	1607 mA	Translated from Russian source; Ток анода к, 1607
Transconductance	-40 mA/V	Translated from Russian source; Крутизна характеристики в ее (110=-40) mA/B
Capacitance	1 pF	Translated from Russian source; Емкость входная , . . . 1 пФ
Transconductance	2 mA/V	Translated from Russian source; изменение крутизны характеристики , к в , <2E40%

OTHER		
PARAMETER	PUBLISHED VALUE	CONDITION / NOTE
Service life	1000 h	Translated from Russian source; Нарботка , 1000 ч
Heater voltage	6.6 V	Translated from Russian source; Напряжение накала , 6—6,6 B
Plate voltage	20 V	Translated from Russian source; Напряжение анода , , 20 B

PARAMETER	PUBLISHED VALUE	CONDITION / NOTE
Service life	500 h	Translated from Russian source; Нарботка , , > 500 ч
Heater voltage	6.6 V	Translated from Russian source; Напряжение накала , (6—6,6) В