



ELECTRONIC TUBE REFERENCE

EM10

Voltage - Pentode or Tetrode (under 100V) electronic tube

CONSOLIDATED TECHNICAL DATA

1 SECTION

CONSTRUCTION

PENTODE

Extremely low-power electrometer pentode designed for output stages of sensitive electrometer amplifiers and minute-signal measurement circuits.

GENERAL CHARACTERISTICS

BASE DESIGNATION	—	BASE PINS	9
NOMINAL HEATER	0.7 V / 16.5 mA	PARALLEL HEATER	— / —
HEATING	Indirect	SERIES OPERATION	Not specified
CATHODE ARRANGEMENT	Separate cathodes	SECTION CONSTRUCTION	Similar

SECTION RATINGS

SECTION1 Pentode	
MAXIMUM PLATE VOLTAGE	10 V
MAXIMUM SCREEN VOLTAGE	12 V
<i>Promoted ratings and characteristics are taken from the printed target-tube entry in the approved PDF.</i>	

Electrometer pentode for output stages of electrometer amplifiers.

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

CHARACTERISTIC		
PARAMETER	PUBLISHED VALUE	CONDITION / NOTE
Heater voltage	0.7 V	Published nominal/basic-parameter heater condition.
Heater current	16.5 mA	Published heater current.
Plate current	0.008 mA	Published basic-parameter operating point.
Grid current	0.000009 mA	Published in the filename-designated tube entry.
Anode-circuit resistance	10 MΩ	Published in the filename-designated tube entry.
Service life	2000 h	Published in the filename-designated tube entry.

OTHER		
PARAMETER	PUBLISHED VALUE	CONDITION / NOTE
Maximum plate voltage	10 V	Published limiting operating value.
Maximum screen voltage	12 V	Published limiting operating value.

TUBE TINKER

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