



ELECTRONIC TUBE REFERENCE

1J37B

Voltage - Radio Detector Converter electronic tube

CONSOLIDATED TECHNICAL DATA

1 SECTION

CONSTRUCTION

PENTODE

Directly heated Soviet multi-control pentode for RF amplification, oscillation, and frequency conversion. Two control grids permit mixer and oscillator functions in addition to ordinary amplification in compact battery equipment.

GENERAL CHARACTERISTICS

BASE DESIGNATION	—	BASE PINS	—
NOMINAL HEATER	1.2 V / 59 mA	PARALLEL HEATER	— / —
HEATING	Direct	SERIES OPERATION	Not specified
CATHODE ARRANGEMENT	Separate cathodes	SECTION CONSTRUCTION	Similar

SECTION RATINGS

SECTION1 Pentode	
MAXIMUM PLATE VOLTAGE	100 V
MAXIMUM SCREEN VOLTAGE	60 V
MAXIMUM CATHODE CURRENT	4.5 mA
<i>Values promoted where clearly identifiable from Russian source.</i>	

Universal directly heated pentode with two control grids for RF amplification, oscillation and frequency conversion.

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
Plate current	0.85 mA	Published Russian-source value; OCR-normalized.
Screen current	0.5 mA	Published Russian-source value; OCR-normalized.
Output capacitance	7 pF	Published Russian-source value; OCR-normalized.
Plate current	8	Published Russian-source value; OCR-normalized.
Screen current	0.25 mA	Published Russian-source value; OCR-normalized.
Heater current	7 mA	Nominal/published heater value.

TUBE TINKER

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