



ELECTRONIC TUBE REFERENCE

10J3L

Voltage - Pentode electronic tube

CONSOLIDATED TECHNICAL DATA

1 SECTION

CONSTRUCTION

PENTODE

Russian pentode documented in bilingual manufacturer literature. The available source establishes its pentode construction and published guaranteed characteristics, but provides insufficient explicit application wording to assign a more specialized functional category conservatively.

GENERAL CHARACTERISTICS

BASE DESIGNATION	—	BASE PINS	—
NOMINAL HEATER	10 V / 93 mA	PARALLEL HEATER	— / —
HEATING	Indirect	SERIES OPERATION	Capable
CATHODE ARRANGEMENT	Separate cathodes	SECTION CONSTRUCTION	Similar

SECTION RATINGS

SECTION 1 Pentode	
MAXIMUM PLATE VOLTAGE	250 V
MAXIMUM SCREEN VOLTAGE	225 V
MAXIMUM PLATE DISSIPATION	2 W
MAXIMUM SCREEN DISSIPATION	0.7 W
<i>Russian 10J3L (10Zh3L transliteration) communications pentode in a glass envelope with an external metal shield and octal base, indirectly heated oxide cathode, intended for equipment with series-connected heater chains. Nominal heater 10 V 93 mA; manufacturer maximum anode dissipation 2 W, screen dissipation 0.7 W and screen voltage 225 V. Published maximum anode current 11 mA must not be confused with a universal total cathode-current rating. Typical test points include anode 150 V and screen 75 V; source states guaranteed service life 1000 hours. Voltage ratings at switch-on are distinct from continuous operating ratings.</i>	

The 10J3L is a pentode described in the bilingual Russian/English source.



SOURCE OPERATING CONDITIONS

[SOURCE PDF](#)

1970 Russian Tubes Mashpriborintorg

Published test conditions and operating points. Values on this page are preserved as reported by this source.

1970 RUSSIAN TUBES MASHPRIBORINTORG

Section 1 · Pentode

CHARACTERISTICS

PARAMETER	PUBLISHED VALUE	CONDITION / NOTE
Guaranteed service life	1000 h	PublishedGuarantee

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