



ELECTRONIC TUBE REFERENCE

6N16BI

Voltage - Dual Triode (similar high frequency) electronic tube

CONSOLIDATED TECHNICAL DATA

2 SECTIONS

CONSTRUCTION

TRIODE-TRIODE

Russian double triode for low-frequency voltage amplification, high-frequency oscillation generation, and relaxation circuits, combining amplifier and timing functions in a compact dual-section device.

GENERAL CHARACTERISTICS

BASE DESIGNATION	—	BASE PINS	—
NOMINAL HEATER	6.3 V / 400 mA	PARALLEL HEATER	— / —
HEATING	Indirect	SERIES OPERATION	Not specified
CATHODE ARRANGEMENT	Separate cathodes	SECTION CONSTRUCTION	Similar

SECTION RATINGS

SECTION1 Triode	
TRANSCONDUCTANCE	0.005 S
AMPLIFICATION FACTOR	25
MAXIMUM PLATE VOLTAGE	200 V
MAXIMUM PLATE DISSIPATION	0.9 W
MAXIMUM CATHODE CURRENT	14 mA
Two electrically identical triodes; represented by one section row under identical-section compression.	

SECTION2 Triode	
TRANSCONDUCTANCE	0.005 S
AMPLIFICATION FACTOR	25
MAXIMUM PLATE VOLTAGE	200 V
MAXIMUM PLATE DISSIPATION	0.9 W
MAXIMUM CATHODE CURRENT	14 mA
<i>Second identical physical triode section; added to align rows with SectionCount.</i>	

Double triode for low-frequency voltage amplification, high-frequency oscillation generation, and relaxation circuits.

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 · Triode

CHARACTERISTIC		
PARAMETER	PUBLISHED VALUE	CONDITION / NOTE
Heater voltage	6.3 V	Published nominal heater condition.
Heater current	400 mA	Published heater current.
Plate current	6.3 mA	Published basic-parameter operating point.
Transconductance	5000 μ S	Published basic-parameter value; normalized to μ S.
Amplification factor	25	Published basic-parameter value.
Service life	3000 h	Published service-life figure.

OTHER		
PARAMETER	PUBLISHED VALUE	CONDITION / NOTE
Maximum plate voltage	200 V	Published limiting operating value.
Maximum cathode current	14 mA	Published limiting cathode-current value.
Maximum plate dissipation	0.9 W	Published per-triode plate dissipation.

TUBE TINKER

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