



ELECTRONIC TUBE REFERENCE

ECC960

Voltage - Dual Triode (similar) electronic tube

CONSOLIDATED TECHNICAL DATA

2 SECTIONS

CONSTRUCTION

TRIODE-TRIODE

ECC960 miniature common-cathode dual triode for counting and computing equipment, 6.3 V 0.4 A heater.

GENERAL CHARACTERISTICS

BASE DESIGNATION	—	BASE PINS	7
NOMINAL HEATER	6.3 V / 400 mA	PARALLEL HEATER	— / —
HEATING	Indirect	SERIES OPERATION	Not specified
CATHODE ARRANGEMENT	Common cathode	SECTION CONSTRUCTION	Similar

SECTION RATINGS

SECTION1 Triode	
TRANSCONDUCTANCE	0.006 S
AMPLIFICATION FACTOR	27
MAXIMUM PLATE VOLTAGE	300 V
MAXIMUM PLATE DISSIPATION	2 W
MAXIMUM CATHODE CURRENT	15 mA
<i>Katsnelson/Larionov 1981 p416. Typical V_a 100 V, R_k 250 Ω, I_a 8.5±2 mA, g_m 6±1.5 mA/V, μ 27. Switch-on anode maximum 600 V; pulse cathode current max 75 mA (≤ 10 ms); negative grid max 100 V DC, 200 V pulse; max grid current 0.25 mA DC/1 mA pulse. Input capacitance 3.4±0.5 pF; output 0.35±0.07 pF; transfer 3.0±0.5 pF. Max heater-cathode 100 V; max grid resistance 1 MΩ.</i>	

SECTION2 Triode	
TRANSCONDUCTANCE	0.006 S
AMPLIFICATION FACTOR	27
MAXIMUM PLATE VOLTAGE	300 V
MAXIMUM PLATE DISSIPATION	2 W
MAXIMUM CATHODE CURRENT	15 mA
<i>Katsnelson/Larionov 1981 p416. Typical V_a 100 V, R_k 250 Ω, I_a 8.5±2 mA, g_m 6±1.5 mA/V, μ 27. Switch-on anode maximum 600 V; pulse cathode current max 75 mA (≤ 10 ms); negative grid max 100 V DC, 200 V pulse; max grid current 0.25 mA DC/1 mA pulse. Input capacitance 3.4±0.5 pF; output 0.48±0.08 pF; transfer 3.0±0.5 pF. Max heater-cathode 100 V, max grid resistance 1 MΩ.</i>	

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

OTHER		
PARAMETER	PUBLISHED VALUE	CONDITION / NOTE
Plate voltage	100 V	ECC960 1981 p416; Typical anode voltage; Rk 250 Ω
Plate current	8.5 mA	ECC960 1981 p416; Typical anode current ± 2 mA

CHARACTERISTIC		
PARAMETER	PUBLISHED VALUE	CONDITION / NOTE
Transconductance	6000 μS	ECC960 1981 p416; Transconductance ± 1500 μS

1981 RUSSIAN TUBES KATSNELSON AND LARIONOV

Section 2 · Triode

OTHER		
PARAMETER	PUBLISHED VALUE	CONDITION / NOTE
Plate voltage	100 V	ECC960 1981 p416; Typical anode voltage; Rk 250 Ω
Plate current	8.5 mA	ECC960 1981 p416; Typical anode current ± 2 mA

CHARACTERISTIC		
PARAMETER	PUBLISHED VALUE	CONDITION / NOTE
Transconductance	6000 μS	ECC960 1981 p416; Transconductance ± 1500 μS