



ELECTRONIC TUBE REFERENCE

AC701

Voltage - Triode (single) electronic tube

CONSOLIDATED TECHNICAL DATA

1 SECTION

CONSTRUCTION

TRIODE

Low-noise, low-microphony audio preamplifier triode for condenser microphones and other very-high-input-resistance applications.

GENERAL CHARACTERISTICS

BASE DESIGNATION	—	BASE PINS	—
NOMINAL HEATER	4 V / 100 mA	PARALLEL HEATER	— / —
HEATING	Indirect	SERIES OPERATION	Not specified
CATHODE ARRANGEMENT	Separate cathodes	SECTION CONSTRUCTION	Similar

SECTION RATINGS

SECTION 1 Triode	
TRANSCONDUCTANCE	0.0028 S
AMPLIFICATION FACTOR	23
MAXIMUM PLATE VOLTAGE	120 V
MAXIMUM PLATE DISSIPATION	0.5 W
MAXIMUM CATHODE CURRENT	5 mA
<i>Published Telefunken ratings and characteristics promoted from the supplied source. Telefunken AC701 low-noise condenser microphone preamplifier triode. Continuous anode voltage maximum 120 V, zero-current voltage limit 250 V, anode dissipation maximum 0.5 W, cathode current maximum 5 mA. Amplification factor 23; transconductance 2.8 mA/V at 60 V plate voltage, -1.6 V grid bias.</i>	

Low-noise, low-microphony AF triode preamplifier for condenser microphones and other very-high-input-resistance applications.



SOURCE OPERATING CONDITIONS

[SOURCE PDF](#)

1959 Telefunken

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

1959 TELEFUNKEN

Section 1 · Triode

CHARACTERISTIC		
PARAMETER	PUBLISHED VALUE	CONDITION / NOTE
HeaterOrFilamentVoltage	4 V	—
HeaterOrFilamentCurrent	100 mA	—
Application	Condenser microphone preamplifier	—
LowNoiseDesign	1 boolean	—
LowMicrophonyDesign	1 boolean	—

TUBE TINKER

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and their source documents.

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