



ELECTRONIC TUBE REFERENCE

ECC99

Power - Triode electronic tube

CONSOLIDATED TECHNICAL DATA

2 SECTIONS

CONSTRUCTION

TRIODE-TRIODE

Power-capable triode intended for amplifier or driver service. Manufacturer data support moderate-current operation and useful dissipation, but do not justify assignment to the large transmitting or specialized regulator families.

GENERAL CHARACTERISTICS

BASE DESIGNATION	—	BASE PINS	9
NOMINAL HEATER	6.3 V / 800 mA	PARALLEL HEATER	— / —
HEATING	Indirect	SERIES OPERATION	Not specified
CATHODE ARRANGEMENT	Separate cathodes	SECTION CONSTRUCTION	Similar

SECTION RATINGS

SECTION1 Triode	
PLATE RESISTANCE	2300 Ω
TRANSCONDUCTANCE	0.0095 S
AMPLIFICATION FACTOR	22
MAXIMUM PLATE VOLTAGE	400 V
MAXIMUM PLATE DISSIPATION	5 W
MAXIMUM CATHODE CURRENT	60 mA
<i>Authoritative title inside ECC899.pdf is ECC99; filename is retained only as provenance. Recommended uses include headphone amplifier output stages and small push-pull triode amplifiers.</i>	

SECTION2 Triode	
PLATE RESISTANCE	2300 Ω
TRANSCONDUCTANCE	0.0095 S
AMPLIFICATION FACTOR	22
MAXIMUM PLATE VOLTAGE	400 V
MAXIMUM PLATE DISSIPATION	5 W
MAXIMUM CATHODE CURRENT	60 mA
<i>Second physical triode section; added to align double-triode structure with SectionCount=2.</i>	

The source identifies this device as ECC99 R. F. double triode.



SOURCE OPERATING CONDITIONS

199X JJ

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

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Section 1 · Triode

OTHER		
PARAMETER	PUBLISHED VALUE	CONDITION / NOTE
Typical Plate Voltage	150 V	—
TypicalGridVoltage	-4 V	—
Typical Plate Current	18 mA	—

CHARACTERISTIC		
PARAMETER	PUBLISHED VALUE	CONDITION / NOTE
Grid Cathode Capacitance	5.8 pF	—
Plate Capacitance	0.91 pF	—
GridPlateCapacitance	5.1 pF	—
PlateCapacitanceSystem1	0.91 pF	Section1
PlateCapacitanceSystem2	0.81 pF	Section2



SOURCE OPERATING CONDITIONS

[SOURCE PDF](#)

2026 JJ Electronic

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Section 1 · Triode

OTHER		
PARAMETER	PUBLISHED VALUE	CONDITION / NOTE
Uk/f	200 V	Published value

CHARACTERISTICS		
PARAMETER	PUBLISHED VALUE	CONDITION / NOTE
U _a	150 V	Published value
U _g	-4 V	Published value
I _a	18 mA	Published value
S	9500 μS	Published value
R _i	2.3 kΩ	Published value
μ	22	Published value

CAPACITANCE		
PARAMETER	PUBLISHED VALUE	CONDITION / NOTE
c _{g/k}	5.8	Published value
c _a	0.91	Published value
c _{g/a}	5.1	Published value