

ELECTRONIC TUBE REFERENCE

ECC802S

Voltage - Dual Triode (similar) electronic tube

CONSOLIDATED TECHNICAL DATA

2 SECTIONS

CONSTRUCTION

TRIODE-TRIODE

Special-quality long-life medium-mu twin triode for professional voltage amplification and control service, corresponding functionally to the ECC82 family.

GENERAL CHARACTERISTICS

BASE DESIGNATION	—	BASE PINS	9
NOMINAL HEATER	12.6 V / 150 mA	PARALLEL HEATER	6.3 V / 300 mA
HEATING	Indirect	SERIES OPERATION	Capable
CATHODE ARRANGEMENT	Separate cathodes	SECTION CONSTRUCTION	Similar

SECTION RATINGS

SECTION1 Triode	
PLATE RESISTANCE	7700 Ω
TRANSCONDUCTANCE	0.0022 S
AMPLIFICATION FACTOR	17
MAXIMUM PLATE VOLTAGE	300 V
MAXIMUM PLATE DISSIPATION	2.75 W
MAXIMUM CATHODE CURRENT	15 mA
Representative row for two electrically identical triode sections.	

SECTION2 Triode	
PLATE RESISTANCE	7700 Ω
TRANSCONDUCTANCE	0.0022 S
AMPLIFICATION FACTOR	17
MAXIMUM PLATE VOLTAGE	300 V
MAXIMUM PLATE DISSIPATION	2.75 W
MAXIMUM CATHODE CURRENT	15 mA
<i>Second physical triode section; added to align rows with SectionCount.</i>	

Special-quality twin triode for professional service; equivalent to 6189.



SOURCE OPERATING CONDITIONS

[SOURCE PDF](#)

1953 AEG

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

1953 AEG

Section 1 · Triode

OTHER

PARAMETER	PUBLISHED VALUE	CONDITION / NOTE
Typical Plate Voltage	250 V	—
Typical Plate Current	10.6 mA	—

CAPACITANCE

PARAMETER	PUBLISHED VALUE	CONDITION / NOTE
GridPlateCapacitance	1.6 pF	—
Grid Earth Capacitance	1.75 pF	—



SOURCE OPERATING CONDITIONS

[SOURCE PDF](#)

1959 Telefunken

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1959 TELEFUNKEN

Section 1 · Triode

CHARACTERISTIC

PARAMETER	PUBLISHED VALUE	CONDITION / NOTE
Heater Voltage	6.3 V	—
Heater Current	300 mA	—



195X Tesla

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195X TESLA

Section 1 · Triode

CHARACTERISTICS		
PARAMETER	PUBLISHED VALUE	CONDITION / NOTE
Interelectrode capacitances	Published	See source sheet for electrode-specific capacitance values



SOURCE DATA APPENDIX

199X JJ

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199X JJ

Section 1 · Triode

OTHER		
PARAMETER	PUBLISHED VALUE	CONDITION / NOTE
Typical Plate Voltage	250 V	—
Typical Plate Current	10.5 mA	—

CHARACTERISTIC		
PARAMETER	PUBLISHED VALUE	CONDITION / NOTE
Grid Cathode Capacitance	1.6 pF	—
Plate Capacitance	0.5 pF	—
GridPlateCapacitance	1.5 pF	—
PlateCapacitanceSystem1	0.5 pF	Section1
PlateCapacitanceSystem2	0.4 pF	Section2



SOURCE DATA APPENDIX

2026 JJ Electronic

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2026 JJ ELECTRONIC

Section 1 · Triode

CHARACTERISTICS		
PARAMETER	PUBLISHED VALUE	CONDITION / NOTE
Ua	250 V	Published value
Rk	800 Ω	Published value
Ia	10.5 mA	Published value
S	2200 μ S	Published value
Ri	7.7 k Ω	Published value
μ	17	Published value

OTHER		
PARAMETER	PUBLISHED VALUE	CONDITION / NOTE
Ua	330 V	Published value
Wa	3 W	Published value
Ik	22 mA	Published value
Rg	1 M Ω	Published value
Uk/f	100 V	Published value

CAPACITANCE		
PARAMETER	PUBLISHED VALUE	CONDITION / NOTE
cg/k	1.6	Published value
ca	0.5	Published value
cg/a	1.5	Published value

TUBE TINKER

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