



ELECTRONIC TUBE REFERENCE

6922

Voltage - Dual Triode (similar) electronic tube

CONSOLIDATED TECHNICAL DATA

2 SECTIONS

CONSTRUCTION

TRIODE-TRIODE

Premium-quality high-transconductance miniature twin triode, co-designated E88CC, intended for low-frequency voltage amplification where closely controlled characteristics and dependable performance are important.

GENERAL CHARACTERISTICS

BASE DESIGNATION	—	BASE PINS	9
NOMINAL HEATER	6.3 V / 300 mA	PARALLEL HEATER	— / —
HEATING	Indirect	SERIES OPERATION	Not specified
CATHODE ARRANGEMENT	Separate cathodes	SECTION CONSTRUCTION	Similar

SECTION RATINGS

SECTION1 Triode	
PLATE RESISTANCE	2600 Ω
TRANSCONDUCTANCE	0.0125 S
AMPLIFICATION FACTOR	33
MAXIMUM PLATE VOLTAGE	300 V
MAXIMUM PLATE DISSIPATION	1.8 W
MAXIMUM CATHODE CURRENT	20 mA
Representative section for two electrically identical sections.	

SECTION2 Triode	
PLATE RESISTANCE	2600 Ω
TRANSCONDUCTANCE	0.0125 S
AMPLIFICATION FACTOR	33
MAXIMUM PLATE VOLTAGE	300 V
MAXIMUM PLATE DISSIPATION	1.8 W
MAXIMUM CATHODE CURRENT	20 mA
<i>Second physical triode section; electrically identical twin section.</i>	

6922 is listed in the supplied Amperex material as a premium-quality twin triode. Published ratings and characteristics were captured from the supplied table.



SOURCE OPERATING CONDITIONS

[SOURCE PDF](#)

1938 Raytheon

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

1938 RAYTHEON

Section 1 · Triode

OTHER		
PARAMETER	PUBLISHED VALUE	CONDITION / NOTE
HeaterVoltageNominal	6.3 V	Nominal
HeaterCurrentNominal	300 mA	Nominal
Maximum Plate Voltage	250 V	—
Maximum Plate Dissipation	1.65 W	—
Maximum Cathode Current	22 mA	—

CHARACTERISTIC		
PARAMETER	PUBLISHED VALUE	CONDITION / NOTE
Transconductance	12500 μ S	Typical
Amplification Factor	33	Typical



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1958 Amperex Industrial

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

1958 AMPEREX INDUSTRIAL

Section 1 · Triode

OTHER		
PARAMETER	PUBLISHED VALUE	CONDITION / NOTE
Maximum plate voltage	220 V	Published Amperex table
Maximum plate current	20 mA	Published Amperex table
Maximum cathode current	100 mA	Published Amperex table

PARAMETER	PUBLISHED VALUE	CONDITION / NOTE
Maximum grid current	15 mA	Published Amperex table

CHARACTERISTIC		
PARAMETER	PUBLISHED VALUE	CONDITION / NOTE
Plate resistance	12500 ohm	Published Amperex table
Transconductance	33000 μ S	Published Amperex table
Heater/filament voltage	6.3 V	Published Amperex table
Heater/filament current	300 mA	Published Amperex table


SOURCE DATA APPENDIX

SOURCE OPERATING CONDITIONS

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
Heater Voltage	6.3 V	—
Heater Current	365 mA	—
EquivalentDesignation	E88CC	—


SOURCE DATA APPENDIX

SOURCE OPERATING CONDITIONS

195X Tesla

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

195X TESLA

CHARACTERISTICS

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



SOURCE DATA APPENDIX

SOURCE OPERATING CONDITIONS

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1963 Amperex Condensed

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1963 AMPEREX CONDENSED

Section 1 · Triode

CHARACTERISTIC

PARAMETER	PUBLISHED VALUE	CONDITION / NOTE
Heater voltage	6.3 V	Published rating
Heater current	300 mA	Published rating
Published characteristic value	3.1	PremiumQuality
Published characteristic value 2	0.5	PremiumQuality

OTHER

PARAMETER	PUBLISHED VALUE	CONDITION / NOTE
Maximum plate voltage	220 V	PremiumQuality
Maximum plate current	20 mA	PremiumQuality



SOURCE DATA APPENDIX

SOURCE OPERATING CONDITIONS

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1971 RCA HB3 Binder 3 of 7

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

1971 RCA HB3 BINDER 3 OF 7

Section 1 · Triode

OTHER		
PARAMETER	PUBLISHED VALUE	CONDITION / NOTE
Heater voltage	6.3 V	—
Heater current	300 mA	—
Peak heater-cathode voltage heater negative	60 V	EachSection
Peak heater-cathode voltage heater positive	120 V	EachSection
Plate voltage	90 V	ClassA;EachSection
Plate current	15 mA	ClassA;EachSection

CHARACTERISTIC		
PARAMETER	PUBLISHED VALUE	CONDITION / NOTE
Transconductance	12500 μS	EachSection
Amplification factor	33	EachSection
Plate resistance	2600 ohm	EachSection

CAPACITANCE		
PARAMETER	PUBLISHED VALUE	CONDITION / NOTE
Grid-to-plate capacitance	1.4 pF	EachSection
Grid-to-cathode capacitance	3.1 pF	EachSection
Plate-to-cathode capacitance	1.75 pF	EachSection



SOURCE OPERATING CONDITIONS

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2026 Genalex Rebrand

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

2026 GENALEX REBRAND

Section 1 · Triode

CHARACTERISTIC		
PARAMETER	PUBLISHED VALUE	CONDITION / NOTE
Transconductance	9000–16000 μS	Plate 90 V; cathode resistor 82 ohm

PARAMETER	PUBLISHED VALUE	CONDITION / NOTE
Amplification Factor	24–40	Plate 90 V; cathode resistor 82 ohm
Plate Current	14–18 mA	Plate 90 V; cathode resistor 82 ohm



SOURCE DATA APPENDIX

SOURCE OPERATING CONDITIONS

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2026 JJ Electronic

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

2026 JJ ELECTRONIC

Section 1 · Triode

OTHER		
PARAMETER	PUBLISHED VALUE	CONDITION / NOTE
U _f	6.3 V	Published value
I _f	300 mA	Published value
U _a	220 V	Published value

CHARACTERISTICS		
PARAMETER	PUBLISHED VALUE	CONDITION / NOTE
U _a	90 V	Published value
U _g	-1.3 V	Published value
I _a	15 mA	Published value
S	12500 μS	Published value
R _i	2.6 kΩ	Published value
μ	33	Published value
U-k/f+	60 V	Published value

CAPACITANCE		
PARAMETER	PUBLISHED VALUE	CONDITION / NOTE
cg/k	3.1	Published value
ca	0.18	Published value
cg/a	1.4	Published value