

ELECTRONIC TUBE REFERENCE

6360

Power - Tetrode (NOT beam) electronic tube

CONSOLIDATED TECHNICAL DATA

1 SECTION
CONSTRUCTION
TETRODE

High-gain twin tetrode designed for Class-C amplifier, oscillator, and frequency-multiplier service. Its paired RF sections support compact high-frequency power generation and multiplication.

GENERAL CHARACTERISTICS

BASE DESIGNATION	E9-1	BASE PINS	9
NOMINAL HEATER	12.6 V / 400 mA	PARALLEL HEATER	6.3 V / 800 mA
HEATING	Indirect	SERIES OPERATION	Capable
CATHODE ARRANGEMENT	Common cathode	SECTION CONSTRUCTION	Similar

SECTION RATINGS

SECTION1 Tetrode	
PLATE RESISTANCE	3900 Ω
TRANSCONDUCTANCE	0.0033 S
AMPLIFICATION FACTOR	18
MAXIMUM PLATE VOLTAGE	300 V
MAXIMUM SCREEN VOLTAGE	200 V
MAXIMUM PLATE DISSIPATION	14 W
MAXIMUM SCREEN DISSIPATION	2 W
MAXIMUM GRID DISSIPATION	0.2 W
MAXIMUM CATHODE CURRENT	50 mA
Repeated identical physical sections represented by one populated row.	

High-gain twin tetrode for Class-C amplifier, oscillator and frequency-multiplier service.



SOURCE OPERATING CONDITIONS

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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 · Tetrode

CHARACTERISTIC		
PARAMETER	PUBLISHED VALUE	CONDITION / NOTE
Amplification Factor	7.5	—
Maximum frequency	200 MHz	—

OTHER		
PARAMETER	PUBLISHED VALUE	CONDITION / NOTE
Maximum plate dissipation	10 W	CCS
Maximum plate dissipation	14 W	ICAS
Plate voltage	300 V	ClassC
Plate current	100 mA	ClassC
Power output	18.5 W	ICAS ClassC
Grid voltage	-45 V	ClassC
Grid current	3 mA	ClassC
Screen voltage	200 V	ClassC



SOURCE OPERATING CONDITIONS

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1959 Telefunken

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1959 TELEFUNKEN

APPLICATION		
PARAMETER	PUBLISHED VALUE	CONDITION / NOTE
Application	RF amplifier / oscillator / frequency multiplier	—

CONSTRUCTION		
PARAMETER	PUBLISHED VALUE	CONDITION / NOTE
Internal neutralization	Yes	—

OTHER		
PARAMETER	PUBLISHED VALUE	CONDITION / NOTE
Class-C operation	Published	ClassC



SOURCE DATA APPENDIX

SOURCE OPERATING CONDITIONS

195X General Electric Essential Characteristics

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195X GENERAL ELECTRIC ESSENTIAL CHARACTERISTICS

Section 1 · Tetrode

CAPACITANCE		
PARAMETER	PUBLISHED VALUE	CONDITION / NOTE
Input capacitance	3.6 pF	EachSection
Output capacitance	0.6 pF	EachSection
Grid-to-plate capacitance	3.2 pF	EachSection

OTHER		
PARAMETER	PUBLISHED VALUE	CONDITION / NOTE
Plate voltage	150 V	ClassA;EachSection
Control-grid voltage	-5 V	ClassA;EachSection
Plate current	11 mA	ClassA;EachSection

Characteristic		
Parameter	Published Value	Condition / Note
Plate resistance	3900 Ω	EachSection
Transconductance	4600 μS	EachSection
Amplification factor	18	EachSection



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1961 Tung Sol

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1961 TUNG SOL

Section 1 · Tetrode

Other		
Parameter	Published Value	Condition / Note
Heater voltage	12.6 V	Nominal
Heater current	400 mA	Nominal



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1963 Amperex Condensed

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1963 AMPEREX CONDENSED

Section 1 · Tetrode

Characteristic		
Parameter	Published Value	Condition / Note
Amplification Factor	7.5	—
Maximum frequency	200 MHz	—

OTHER		
PARAMETER	PUBLISHED VALUE	CONDITION / NOTE
Maximum plate dissipation	10 W	CCS
Maximum plate dissipation	14 W	ICAS
Plate voltage	300 V	ClassC
Plate current	100 mA	ClassC
Power output	18.5 W	ICAS ClassC
Grid voltage	-45 V	ClassC
Grid current	3 mA	ClassC
Screen voltage	200 V	ClassC



SOURCE DATA APPENDIX

SOURCE OPERATING CONDITIONS

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1963 Hitachi

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

1963 HITACHI
Section 1 · Tetrode

CAPACITANCE		
PARAMETER	PUBLISHED VALUE	CONDITION / NOTE
Interelectrode capacitances published	1	See source table