



ELECTRONIC TUBE REFERENCE

5930

Power - Triode electronic tube

CONSOLIDATED TECHNICAL DATA

1 SECTION

CONSTRUCTION

TRIODE

Rugged power-amplifier triode designed for applications involving severe vibration and shock, providing dependable output-stage service under demanding mechanical conditions.

GENERAL CHARACTERISTICS

BASE DESIGNATION	4D	BASE PINS	4
NOMINAL HEATER	2.5 V / 2.5 A	PARALLEL HEATER	– / –
HEATING	Direct	SERIES OPERATION	Not specified
CATHODE ARRANGEMENT	Separate cathodes	SECTION CONSTRUCTION	Similar

SECTION RATINGS

SECTION 1 Triode	
PLATE RESISTANCE	800 Ω
TRANSCONDUCTANCE	0.00525 S
AMPLIFICATION FACTOR	4.2
MAXIMUM PLATE VOLTAGE	360 V
MAXIMUM PLATE DISSIPATION	15 W
<i>Low-mu power triode; Class A operating point is 250 V plate, -45 V grid, 60 mA.</i>	

Rugged power-amplifier triode designed for applications involving severe vibration and shock.

SOURCE OPERATING CONDITIONS

[SOURCE PDF](#)

1950 Sylvania

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

1950 SYLVANIA

Section 1 · Triode

CHARACTERISTIC		
PARAMETER	PUBLISHED VALUE	CONDITION / NOTE
Filament Voltage (ac or dc) e e 2.5 volts	2.5 V	Filament Voltage (ac or dc) e e 2.5 volts
Filament Current cc.uu... C e e 2.5 amps	2.5 A	Filament Current cc.uu... C e e 2.5 amps
Filament Voltage (ac or deφ) e e 2.5 volts	2.5 V	Filament Voltage (ac or deφ) e e 2.5 volts
Plate Voltage Sdc) et 250 volts	250 V	Plate Voltage Sdc) et 250 volts
Plate Voltage Sdc) Ceeiee. L I A) e 250 volts	250 V	Plate Voltage Sdc) Ceeiee. L I A) e 250 volts
Grid Voltage(3} (dc) oo -45 volts	-45 V	Grid Voltage(3} (dc) oo -45 volts
Plate Load Resistance Ceeas 2,500 ohms	2.5 ohms	Plate Load Resistance Ceeas 2,500 ohms
Filament Voltage (dc) N 2.5 volts	2.5 V	Filament Voltage (dc) N 2.5 volts
Grid Voltage!3) (dc) LR .. e -62 volts	-62 V	Grid Voltage!3) (dc) LR .. e -62 volts
Effective Load Resistance (plate to plate) .. N 3,000 ohms	3 ohms	Effective Load Resistance (plate to plate) .. N 3,000 ohms
Power Output ----- L I R R T R R R N N e 15 watts	15 W	Power Output ----- L I R R T R R R N N e 15 watts

OTHER		
PARAMETER	PUBLISHED VALUE	CONDITION / NOTE
Maximum Plate Voltage (de) iiiiiiiiiiann s 360 volts	360 V	Maximum Plate Voltage (de) iiiiiiiiiiann s 360 volts
Maximum Plate Dissipatlon civuvennesn. e e 15 watts	15 W	Maximum Plate Dissipatlon civuvennesn. e e 15 watts
Maximum Grid-Circuit Resistance {fixed bias) 50,000 ohms	50 ohms	Maximum Grid-Circuit Resistance {fixed bias) 50,000 ohms



SOURCE DATA APPENDIX

SOURCE OPERATING CONDITIONS

SOURCE PDF

195X General Electric Essential Characteristics

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195X GENERAL ELECTRIC ESSENTIAL CHARACTERISTICS

Section 1 · Triode

OTHER		
PARAMETER	PUBLISHED VALUE	CONDITION / NOTE
Plate Voltage	250 V	ClassA
Grid Voltage	-45 V	ClassA
Plate Current	60 mA	ClassA
Load Resistance	2500 ohm	ClassA
Power Output	3.5 W	ClassA