



ELECTRONIC TUBE REFERENCE

25B5

Power - Triode electronic tube

CONSOLIDATED TECHNICAL DATA

2 SECTIONS

CONSTRUCTION

TRIODE-TRIODE

Dual-triode dynamic-coupled power-output tube for high-quality audio in AC/DC receivers, combining driver and output functions in one envelope.

GENERAL CHARACTERISTICS

BASE DESIGNATION	6DA	BASE PINS	6
NOMINAL HEATER	25 V / 300 mA	PARALLEL HEATER	– / –
HEATING	Indirect	SERIES OPERATION	Not specified
CATHODE ARRANGEMENT	Common cathode	SECTION CONSTRUCTION	Dissimilar

SECTION RATINGS

SECTION1 Triode	
PLATE RESISTANCE	11400 Ω
TRANSCONDUCTANCE	0.0022 S
AMPLIFICATION FACTOR	25
MAXIMUM PLATE VOLTAGE	180 V
<i>Input triode of dynamically coupled amplifier.</i>	

SECTION2 Triode	
TRANSCONDUCTANCE	0.0023 S
AMPLIFICATION FACTOR	35
<i>Output triode; published combined operating data apply to dynamically coupled circuit.</i>	

A 25 V Triadyne power-output tube developed to provide substantially more audio power than conventional AC-DC receiver output tubes. It supports single-ended Class A and push-pull operation.



SOURCE OPERATING CONDITIONS

[SOURCE PDF](#)

1938 Triadyne

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

1938 TRIADYNE

Section 1 · Triode

OTHER		
PARAMETER	PUBLISHED VALUE	CONDITION / NOTE
PlateCurrentOutput	45 mA	ClassA;At 110 V
PlateCurrentInput	7 mA	ClassA;At 110 V
Load Resistance	2000 ohm	ClassA;At 110 V
Power Output	2 W	ClassA;At 110 V
Power Output	3.8 W	ClassA;At 180 V



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	180 V	ClassA
Input-plate supply voltage	100 V	ClassA
Grid voltage	0 V	ClassA
Plate current	46 mA	ClassA
Input-plate current	5.8 mA	ClassA
Load resistance	4000 ohm	ClassA

PARAMETER	PUBLISHED VALUE	CONDITION / NOTE
Power output	3.8 W	ClassA



SOURCE DATA APPENDIX

SOURCE OPERATING CONDITIONS

[SOURCE PDF](#)

1961 Tung Sol

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

1961 TUNG SOL

Section 1 · Triode

OTHER		
PARAMETER	PUBLISHED VALUE	CONDITION / NOTE
Input Plate Voltage	100 V	ClassA

CHARACTERISTIC		
PARAMETER	PUBLISHED VALUE	CONDITION / NOTE
Input Plate Current	5.8 mA	ClassA

1961 TUNG SOL

Section 2 · Triode

OTHER		
PARAMETER	PUBLISHED VALUE	CONDITION / NOTE
Output Plate Voltage	180 V	ClassA
Load Resistance	4000 ohm	ClassA
Power Output	3.8 W	ClassA

CHARACTERISTIC		
PARAMETER	PUBLISHED VALUE	CONDITION / NOTE
Output Plate Current	46 mA	ClassA

TUBE TINKER

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