



ELECTRONIC TUBE REFERENCE

6AE6G

Triode - HV Shunt Regulator electronic tube

CONSOLIDATED TECHNICAL DATA

2 SECTIONS

CONSTRUCTION

TRIODE-TRIODE

Single-grid, twin-plate control tube designed for tuning-indicator systems, using two plate structures with different characteristics to provide control action from a common grid.

GENERAL CHARACTERISTICS

BASE DESIGNATION	7AH	BASE PINS	8
NOMINAL HEATER	6.3 V / 150 mA	PARALLEL HEATER	– / –
HEATING	Indirect	SERIES OPERATION	Not specified
CATHODE ARRANGEMENT	Common cathode	SECTION CONSTRUCTION	Dissimilar

SECTION RATINGS

SECTION1 Triode	
PLATE RESISTANCE	25000 Ω
TRANSCONDUCTANCE	0.001 S
AMPLIFICATION FACTOR	25
MAXIMUM PLATE VOLTAGE	250 V
<i>Published promoted fields populated from the datasheet; identical repeated sections compressed where applicable.</i>	

SECTION2 Triode	
PLATE RESISTANCE	35000 Ω
TRANSCONDUCTANCE	0.00095 S
AMPLIFICATION FACTOR	33
MAXIMUM PLATE VOLTAGE	250 V
<i>Published promoted fields populated from the datasheet; identical repeated sections compressed where applicable.</i>	

Single-grid twin-plate control tube for use with tuning-indicator systems.



SOURCE OPERATING CONDITIONS

[SOURCE PDF](#)

1938 National Union

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

1938 NATIONAL UNION

Section 1 · Triode

OTHER		
PARAMETER	PUBLISHED VALUE	CONDITION / NOTE
Heater Voltage	6.3 volts	Published source value; see source line context.
Plate Voltage	250 volts	Published source value; see source line context.
Grid Voltage oo –	35 volts	Published source value; see source line context.
Plate Voltage	250 volts	Published source value; see source line context.

CHARACTERISTIC		
PARAMETER	PUBLISHED VALUE	CONDITION / NOTE
Heater Current	0.3 amp	Published source value; see source line context.
Plate Current e	0.01 ma	Published source value; see source line context.
Plate Current	0.01 ma	Published source value; see source line context.



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

PARAMETER	PUBLISHED VALUE	CONDITION / NOTE
Grid voltage	-1.5 V	ClassA
Plate current	6.5 mA	ClassA

195X GENERAL ELECTRIC ESSENTIAL CHARACTERISTICS

Section 2 · Triode

OTHER		
PARAMETER	PUBLISHED VALUE	CONDITION / NOTE
Plate voltage	250 V	ClassA
Grid voltage	-1.5 V	ClassA
Plate current	4.5 mA	ClassA


SOURCE DATA APPENDIX

SOURCE OPERATING CONDITIONS

[SOURCE PDF](#)

1961 Tung Sol

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1961 TUNG SOL

Section 1 · Triode

CHARACTERISTIC		
PARAMETER	PUBLISHED VALUE	CONDITION / NOTE
RemoteCutoffTransconductance	1000 uS	Section1

1961 TUNG SOL

Section 2 · Triode

CHARACTERISTIC		
PARAMETER	PUBLISHED VALUE	CONDITION / NOTE
SharpCutoffTransconductance	950 uS	Section2