

ELECTRONIC TUBE REFERENCE

70A7GT

Power - Beam (NOT sweep) electronic tube

CONSOLIDATED TECHNICAL DATA

2 SECTIONS

CONSTRUCTION

BEAMPOWER-RECTIFIER

Combined beam-power amplifier and half-wave rectifier with a tapped heater, designed for series-heater receiving equipment.

GENERAL CHARACTERISTICS

BASE DESIGNATION	8AB	BASE PINS	8
NOMINAL HEATER	70 V / 150 mA	PARALLEL HEATER	– / –
HEATING	Indirect	SERIES OPERATION	Not specified
CATHODE ARRANGEMENT	Separate cathodes	SECTION CONSTRUCTION	Dissimilar

SECTION RATINGS

SECTION1 Beam Power	
TRANSCONDUCTANCE	0.0048 S
AMPLIFICATION FACTOR	80
MAXIMUM PLATE VOLTAGE	110 V
MAXIMUM SCREEN VOLTAGE	110 V

SECTION2 Rectifier	
MAXIMUM PLATE VOLTAGE	110 V
NOMINAL OUTPUT CURRENT	60 mA
FORWARD VOLTAGE DROP	14 V
Published handbook ratings and representative operating characteristics reviewed.	

Combined beam-power amplifier and half-wave rectifier with a tapped heater, intended for series-heater receiver applications.

SOURCE OPERATING CONDITIONS

[SOURCE PDF](#)

195X General Electric Essential Characteristics

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

195X GENERAL ELECTRIC ESSENTIAL CHARACTERISTICS

Section 2 · Rectifier

OTHER		
PARAMETER	PUBLISHED VALUE	CONDITION / NOTE
Maximum plate voltage	110 V	Published handbook rating
Plate voltage	110 V	ClassA
Control-grid bias	7.5 V	ClassA
Load resistance	2600 ohm	ClassA
Power output	1.5 W	ClassA

CHARACTERISTIC		
PARAMETER	PUBLISHED VALUE	CONDITION / NOTE
Transconductance	5800 μ S	Published handbook characteristic
Heater voltage	70 V	Published heater rating
Heater current	150 mA	Published heater rating

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 · Beam Power

OTHER		
PARAMETER	PUBLISHED VALUE	CONDITION / NOTE
Heater voltage	70 V	Nominal
Heater current	150 mA	Nominal
Plate voltage	110 V	ClassA
Screen voltage	110 V	ClassA
Control-grid voltage	-7.5 V	ClassA
Load resistance	2500 ohm	ClassA
Total harmonic distortion	6.5 %	ClassA
Power output	1.5 W	ClassA

CHARACTERISTIC		
PARAMETER	PUBLISHED VALUE	CONDITION / NOTE
Plate current	40 mA	ClassA
Screen current	3 mA	ClassA
Transconductance	4800 uS	ClassA
Amplification factor	80	ClassA

1961 TUNG SOL

Section 2 · Rectifier

OTHER		
PARAMETER	PUBLISHED VALUE	CONDITION / NOTE
Heater voltage	70 V	Nominal
Heater current	150 mA	Nominal
Maximum AC plate voltage RMS	125 V	HalfWaveRectifier
DC output current	60 mA	CapacitorInputFilter

TUBE TINKER

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and their source documents.

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