

ELECTRONIC TUBE REFERENCE

6085

Voltage - Dual Triode (similar) electronic tube

CONSOLIDATED TECHNICAL DATA

2 SECTIONS

CONSTRUCTION

TRIODE-TRIODE

Twin triode designed for amplifier service, with two similar sections and published operating characteristics for general electronic voltage amplification.

GENERAL CHARACTERISTICS

BASE DESIGNATION	—	BASE PINS	—
NOMINAL HEATER	12.6 V / 300 mA	PARALLEL HEATER	6.3 V / 600 mA
HEATING	Indirect	SERIES OPERATION	Capable
CATHODE ARRANGEMENT	Separate cathodes	SECTION CONSTRUCTION	Similar

SECTION RATINGS

SECTION1 Triode	
PLATE RESISTANCE	10000 Ω
TRANSCONDUCTANCE	0.0027 S
AMPLIFICATION FACTOR	27
MAXIMUM PLATE VOLTAGE	300 V
MAXIMUM PLATE DISSIPATION	2 W
Published maximum ratings, representative operating conditions, and rectifier data reviewed.	

SECTION2 Triode	
PLATE RESISTANCE	10000 Ω
TRANSCONDUCTANCE	0.0027 S
AMPLIFICATION FACTOR	27
MAXIMUM PLATE VOLTAGE	300 V
MAXIMUM PLATE DISSIPATION	2 W
<i>Second physical triode section; electrically identical twin section.</i>	

6085 is listed in the supplied Amperex material as a premium-quality twin triode. Published ratings and characteristics were captured from the supplied table.



SOURCE OPERATING CONDITIONS

[SOURCE PDF](#)

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 · Triode

OTHER		
PARAMETER	PUBLISHED VALUE	CONDITION / NOTE
Maximum plate voltage	300 V	Published table
Plate current	112 mA	Published table

CHARACTERISTIC		
PARAMETER	PUBLISHED VALUE	CONDITION / NOTE
Plate resistance	2700 ohm	Published table
Amplification factor	27	Published table
Heater/filament voltage	6.3 V	Published rating
Heater/filament current	600 mA	Published rating
Series heater voltage	12.6 V	SeriesHeater
Series heater current	300 mA	SeriesHeater



SOURCE OPERATING CONDITIONS

[SOURCE PDF](#)

195X General Electric Essential Characteristics

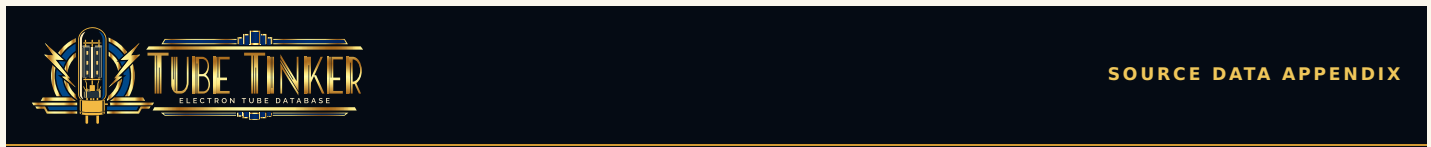
Published test conditions and operating points. Values on this page are preserved as reported by this source.

195X GENERAL ELECTRIC ESSENTIAL CHARACTERISTICS

Section 1 · Triode

OTHER		
PARAMETER	PUBLISHED VALUE	CONDITION / NOTE
Plate voltage	250 V	ClassA
Control-grid bias	5.5 V	ClassA
Plate current	6 mA	ClassA

CHARACTERISTIC		
PARAMETER	PUBLISHED VALUE	CONDITION / NOTE
Transconductance	2700 μ S	Published handbook characteristic



SOURCE OPERATING CONDITIONS

[SOURCE PDF](#)

1963 Amperex Condensed

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

1963 AMPEREX CONDENSED

Section 1 · Triode

CHARACTERISTIC		
PARAMETER	PUBLISHED VALUE	CONDITION / NOTE
Heater voltage	6.3 V	Published rating
Heater current	600 mA	Published rating
Series heater voltage	12.6 V	SeriesHeater
Series heater current	300 mA	SeriesHeater
Published characteristic value	2.6	PremiumQuality
Published characteristic value 2	3.5	PremiumQuality

OTHER		
PARAMETER	PUBLISHED VALUE	CONDITION / NOTE
Maximum plate voltage	300 V	PremiumQuality
Maximum plate current	12 mA	PremiumQuality