



ELECTRONIC TUBE REFERENCE

5670WA

Voltage - Dual Triode (similar high frequency) electronic tube

CONSOLIDATED TECHNICAL DATA

2 SECTIONS

CONSTRUCTION

TRIODE-TRIODE

Ruggedized medium-mu twin triode for dependable high-frequency amplifier and push-pull service, a military or critical-service member of the 2C51/5670 family.

GENERAL CHARACTERISTICS

BASE DESIGNATION	—	BASE PINS	9
NOMINAL HEATER	6.3 V / 350 mA	PARALLEL HEATER	— / —
HEATING	Indirect	SERIES OPERATION	Not specified
CATHODE ARRANGEMENT	Separate cathodes	SECTION CONSTRUCTION	Similar

SECTION RATINGS

SECTION1 Triode	
PLATE RESISTANCE	6400 Ω
TRANSCONDUCTANCE	0.0055 S
AMPLIFICATION FACTOR	35
MAXIMUM PLATE VOLTAGE	330 V
MAXIMUM PLATE DISSIPATION	1.5 W
MAXIMUM CATHODE CURRENT	18 mA
Two similar triode sections; represented once under identical-section compression.	

SECTION2 Triode	
PLATE RESISTANCE	6400 Ω
TRANSCONDUCTANCE	0.0055 S
AMPLIFICATION FACTOR	35
MAXIMUM PLATE VOLTAGE	330 V
MAXIMUM PLATE DISSIPATION	1.5 W
MAXIMUM CATHODE CURRENT	18 mA
<i>Second physical triode restored under current one-row-per-physical-section policy.</i>	

Ruggedized medium-mu twin triode for dependable high-frequency amplifier and push-pull service.



SOURCE OPERATING CONDITIONS

[SOURCE PDF](#)

1960 RCA Industrial and Communications Types

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

1960 RCA INDUSTRIAL AND COMMUNICATIONS TYPES

Section 1 · Triode

CROSSREFERENCE

PARAMETER	PUBLISHED VALUE	CONDITION / NOTE
Prototype / equivalent family	2C51	—

APPLICATION

PARAMETER	PUBLISHED VALUE	CONDITION / NOTE
Application	General-purpose amplifier	—



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
Heater voltage	6.3 V	Nominal
Heater current	350 mA	Nominal
Plate voltage	330 V	Published operating table; OperatingPoint1
Plate voltage	160 V	Published operating table; OperatingPoint1

SOURCE OPERATING CONDITIONS

[SOURCE PDF](#)

1966 Tung Sol Electronic Tubes 3 of 4

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

1966 TUNG SOL ELECTRONIC TUBES 3 OF 4

Section 1 · Triode

OTHER		
PARAMETER	PUBLISHED VALUE	CONDITION / NOTE
Plate voltage	150 V	ClassA;EachSection
Cathode resistor	240 ohm	ClassA;EachSection
Plate current	8.2 mA	ClassA;EachSection
Plate voltage	300 V	ClassAB;PushPull;TwoSections
Cathode resistor	800 ohm	ClassAB;PushPull;TwoSections
Zero-signal plate current	4.9 mA	ClassAB;PushPull;EachSection
Maximum-signal plate current	6.3 mA	ClassAB;PushPull;EachSection
Plate-to-plate load impedance	27000 ohm	ClassAB;PushPull
Maximum-signal power output	1 W	ClassAB;PushPull
Total harmonic distortion	10 %	ClassAB;PushPull

CHARACTERISTIC		
PARAMETER	PUBLISHED VALUE	CONDITION / NOTE
Transconductance	5500 uS	ClassA;EachSection
Amplification factor	35	ClassA;EachSection

TUBE TINKER

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