

ELECTRONIC TUBE REFERENCE

5751WA

Voltage - Dual Triode (similar) electronic tube

CONSOLIDATED TECHNICAL DATA

2 SECTIONS

CONSTRUCTION

TRIODE-TRIODE

Military ruggedized 5751-family high-mu twin triode for dependable low-noise voltage amplification, designed for severe-service applications requiring stable electrical performance.

GENERAL CHARACTERISTICS

BASE DESIGNATION	—	BASE PINS	9
NOMINAL HEATER	12.6 V / 175 mA	PARALLEL HEATER	6.3 V / 350 mA
HEATING	Indirect	SERIES OPERATION	Capable
CATHODE ARRANGEMENT	Separate cathodes	SECTION CONSTRUCTION	Similar

SECTION RATINGS

SECTION1 Triode	
PLATE RESISTANCE	44000 Ω
TRANSCONDUCTANCE	0.0012 S
AMPLIFICATION FACTOR	70
MAXIMUM PLATE VOLTAGE	330 V
MAXIMUM PLATE DISSIPATION	1.1 W
MAXIMUM CATHODE CURRENT	22 mA
MAXIMUM HEATER-CATHODE VOLTAGE	100 V
Published promoted fields populated semantically; identical repeated sections compressed.	

SECTION2 Triode	
PLATE RESISTANCE	44000 Ω
TRANSCONDUCTANCE	0.0012 S
AMPLIFICATION FACTOR	70
MAXIMUM PLATE VOLTAGE	330 V
MAXIMUM PLATE DISSIPATION	1.1 W
MAXIMUM CATHODE CURRENT	22 mA
Second identical physical triode section; added to align rows with SectionCount.	

The 5751WA is a ruggedized high-mu twin triode for low-level input, voltage-amplifier, phase-inverter and multivibrator service, especially in military and industrial airborne equipment subject to severe mechanical conditions.



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	12AX7	—



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

CHARACTERISTIC

PARAMETER	PUBLISHED VALUE	CONDITION / NOTE
Grid-to-plate capacitance each section	1.4 pF	WholeTube
Input capacitance	1.4 pF	WholeTube
Output capacitance section 1	0.7 pF	WholeTube
Output capacitance section 2	0.36 pF	WholeTube

OTHER

PARAMETER	PUBLISHED VALUE	CONDITION / NOTE
Maximum plate voltage	330 V	WholeTube
Maximum plate dissipation each section	0.8 W	WholeTube

PARAMETER	PUBLISHED VALUE	CONDITION / NOTE
Plate voltage	100 V	100VPoint
Grid bias voltage	-1 V	100VPoint
Amplification factor	70	100VPoint
Plate resistance	58000 ohm	100VPoint
Transconductance	1200 μS	100VPoint
Plate current	0.8 mA	100VPoint
Plate voltage	250 V	250VPoint
Grid bias voltage	-3 V	250VPoint
Amplification factor	70	250VPoint
Plate resistance	58000 ohm	250VPoint
Transconductance	1200 μS	250VPoint
Plate current	1 mA	250VPoint
Maximum DC cathode current each section	22 mA	WholeTube
Maximum heater-cathode voltage	100 V	WholeTube

TUBE TINKER

An independent reference for electronic tubes, vacuum tubes, and their source documents.

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