ELECTRONIC TUBE REFERENCE

5873

Voltage - Dual Triode (similar) electronic tube

CONSOLIDATED TECHNICAL DATA
2 SECTIONS
CONSTRUCTION
TRIODE-TRIODE

General-purpose twin triode intended for amplifier and control applications, providing two triode sections with moderate gain for signal amplification and related electronic functions.

General characteristics

BASE DESIGNATION	5873	**BASE PINS**	8
NOMINAL HEATER	6.3 V / 300 mA	**PARALLEL HEATER**	— / —
HEATING	Indirect	**SERIES OPERATION**	Not specified
CATHODE ARRANGEMENT	Separate cathodes	**SECTION CONSTRUCTION**	Similar

Section ratings

SECTION1 Triode

PLATE RESISTANCE	10000 Ω
TRANSCONDUCTANCE	0.0029 S
AMPLIFICATION FACTOR	22
MAXIMUM PLATE VOLTAGE	300 V
MAXIMUM PLATE DISSIPATION	1.6 W
MAXIMUM CATHODE CURRENT	20 mA

Promoted from clearly identified printed ratings/characteristics; additional published operating points, capacitances, and specialized ratings retained in TUBE_SECTION_PARAMETER.

SECTION2 Triode

PLATE RESISTANCE	10000 Ω
TRANSCONDUCTANCE	0.0029 S
AMPLIFICATION FACTOR	22
MAXIMUM PLATE VOLTAGE	300 V
MAXIMUM PLATE DISSIPATION	1.6 W
MAXIMUM CATHODE CURRENT	20 mA

Second physical triode row restored.

> General-purpose dual triode useful in amplifier and control applications.

SOURCE OPERATING CONDITIONS

1938 Raytheon

SOURCE PDF

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

1938 RAYTHEON

Section 1 · Triode

OTHER		
PARAMETER	**PUBLISHED VALUE**	**CONDITION / NOTE**
HeaterVoltageNominal	**6.3 V**	Nominal
HeaterCurrentNominal	**300 mA**	Nominal
Maximum Plate Voltage	**300 V**	—
Maximum Plate Dissipation	**1.6 W**	—
Maximum Cathode Current	**20 mA**	—

CHARACTERISTIC		
PARAMETER	**PUBLISHED VALUE**	**CONDITION / NOTE**
Transconductance	**2500 µS**	Typical
Amplification Factor	**25**	Typical
Plate Resistance	**10000 ohm**	Typical

SOURCE DATA APPENDIX

SOURCE OPERATING CONDITIONS

195X General Electric Essential Characteristics

SOURCE PDF

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	**150 V**	ClassA;EachSection
Control-grid voltage	**-3 V**	ClassA;EachSection
Plate current	**9 mA**	ClassA;EachSection

CHARACTERISTIC		
PARAMETER	**PUBLISHED VALUE**	**CONDITION / NOTE**
Transconductance	**2900 µS**	EachSection
Amplification factor	**22**	EachSection

Tube Tinker

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