ELECTRONIC TUBE REFERENCE

6168

Voltage - Dual Triode (similar) electronic tube

CONSOLIDATED TECHNICAL DATA
2 SECTIONS
CONSTRUCTION
TRIODE-TRIODE

Medium-mu twin triode with series/parallel heater connection, intended for Class-A amplifier service and providing two similar sections with moderate gain.

General characteristics

BASE DESIGNATION	9A	**BASE PINS**	9
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

9A - Terminal pinout

TERMINAL	SECTION	ELEMENT	STATUS
PIN1 — 2P	B	P — Plate (Anode)	CONNECTED
PIN2 — 2G1	B	G1 — Control Grid	CONNECTED
PIN3 — 2K	B	K — Cathode	CONNECTED
PIN4 — H	—	H — Heater	CONNECTED
PIN5 — H	—	H — Heater	CONNECTED
PIN6 — 1P	A	P — Plate (Anode)	CONNECTED
PIN7 — 1G1	A	G1 — Control Grid	CONNECTED
PIN8 — 1K	A	K — Cathode	CONNECTED
PIN9 — HCT	—	HCT — Heater Center Tap	CONNECTED

Section ratings

SECTION1 Triode

PLATE RESISTANCE	14000 Ω
TRANSCONDUCTANCE	0.0023 S
AMPLIFICATION FACTOR	32
MAXIMUM PLATE VOLTAGE	300 V

One of two electrically similar medium-mu triodes; identical-section compression applied.

SECTION2 Triode

PLATE RESISTANCE	14000 Ω
TRANSCONDUCTANCE	0.0023 S
AMPLIFICATION FACTOR	32

Second physical triode restored.

> Medium-mu twin triode with series/parallel heater connection and Class A amplifier data.

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

CAPACITANCE		
PARAMETER	**PUBLISHED VALUE**	**CONDITION / NOTE**
Input capacitance	**2.3 pF**	—
Grid-to-plate capacitance	**2.1 pF**	—

OTHER		
PARAMETER	**PUBLISHED VALUE**	**CONDITION / NOTE**
Plate voltage	**250 V**	ClassA
Grid voltage	**-6 V**	ClassA
Plate current	**4.6 mA**	ClassA

CHARACTERISTIC		
PARAMETER	**PUBLISHED VALUE**	**CONDITION / NOTE**
Plate resistance	**14000 ohm**	—
Transconductance	**2300 uS**	—
Amplification factor	**32**	—

Tube Tinker

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