

ELECTRONIC TUBE REFERENCE

6814A

Voltage - Dual Triode (similar) electronic tube

CONSOLIDATED TECHNICAL DATA
2 SECTIONS
CONSTRUCTION
TRIODE-TRIODE

Medium-mu twin-triode variant with a 6.3-volt heater, providing paired triode sections for general voltage-amplifier and related electronic service.

GENERAL CHARACTERISTICS

BASE DESIGNATION	9A	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

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	6250 Ω
TRANSCONDUCTANCE	0.0031 S
AMPLIFICATION FACTOR	19.5
MAXIMUM PLATE VOLTAGE	300 V
<i>Published maximum ratings, representative operating conditions, and available capacitance/rectifier data reviewed.</i>	

SECTION2 Triode	
PLATE RESISTANCE	6250 Ω
TRANSCONDUCTANCE	0.0031 S
AMPLIFICATION FACTOR	19.5
MAXIMUM PLATE VOLTAGE	300 V
<i>Second physical triode restored under current one-row-per-physical-section policy.</i>	

6814A is listed in the supplied receiving-tube handbook as a medium-mu twin triode variant. The published heater/filament rating is 6.3 V at 0.35 A. Maximum ratings, representative operating characteristics, and available special-service data were captured from the supplied table.

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
Maximum plate voltage	300 V	Published handbook rating
Plate voltage	100 V	ClassA
Control-grid bias	0 V	ClassA
Plate current	11.8 mA	ClassA

CHARACTERISTIC		
PARAMETER	PUBLISHED VALUE	CONDITION / NOTE
Plate resistance	6250 ohm	Published handbook characteristic
Transconductance	3100 μ S	Published handbook characteristic
Amplification factor	19.5	Published handbook characteristic
Heater/filament voltage	6.3 V	Published heater/filament rating
Heater/filament current	350 mA	Published heater/filament rating

CAPACITANCE		
PARAMETER	PUBLISHED VALUE	CONDITION / NOTE
Input capacitance	1.6 pF	Published capacitance column
Output capacitance	0.5 pF	Published capacitance column
Grid-to-plate capacitance	1.5 pF	Published capacitance column

TUBE TINKER

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

[Catalog](#) [Tube types](#) [Full books](#) [Blog](#) [Feedback & corrections](#)

© 2026 Tube Tinker