

ELECTRONIC TUBE REFERENCE

6966

Voltage - Dual Triode (similar) electronic tube

CONSOLIDATED TECHNICAL DATA

2 SECTIONS

CONSTRUCTION

TRIODE-TRIODE

Twin triode documented in receiving-tube handbook data; available source material establishes the device construction but does not clearly support a more specialized application classification.

GENERAL CHARACTERISTICS

BASE DESIGNATION	9A	BASE PINS	9
NOMINAL HEATER	6.3 V / 450 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	7250 Ω
TRANSCONDUCTANCE	0.0065 S
AMPLIFICATION FACTOR	47
MAXIMUM PLATE VOLTAGE	300 V
<i>Published maximum ratings and representative operating characteristics reviewed.</i>	

SECTION2 Triode	
PLATE RESISTANCE	7250 Ω
TRANSCONDUCTANCE	0.0065 S
AMPLIFICATION FACTOR	47
MAXIMUM PLATE VOLTAGE	300 V
<i>Second physical triode section; electrically identical twin section.</i>	

6966 is a twin triode listed in the supplied receiving-tube handbook.

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	150 V	ClassA
Control-grid bias	0 V	ClassA
Plate current	8.2 mA	ClassA

CHARACTERISTIC		
PARAMETER	PUBLISHED VALUE	CONDITION / NOTE
Plate resistance	7250 ohm	Published handbook characteristic
Transconductance	6500 μ S	Published handbook characteristic
Amplification factor	47	Published handbook characteristic
Heater/filament voltage	6.3 V	Published heater/filament rating
Heater/filament current	450 mA	Published heater/filament rating

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