

ELECTRONIC TUBE REFERENCE

14JG8

Voltage - Triode (with diode, heptode or hexode) electronic tube

CONSOLIDATED TECHNICAL DATA

3 SECTIONS
CONSTRUCTION
DIODE-DIODE-TRIODE

Duplex-diode high-mu triode designed primarily for FM detector and audio-frequency voltage-amplifier service. The paired diode sections perform detection while the separate-cathode triode provides comparatively strong gain for the recovered audio signal.

GENERAL CHARACTERISTICS

BASE DESIGNATION	9KR	BASE PINS	9
NOMINAL HEATER	14 V / 150 mA	PARALLEL HEATER	– / –
HEATING	Indirect	SERIES OPERATION	Not specified
CATHODE ARRANGEMENT	Separate cathodes	SECTION CONSTRUCTION	Dissimilar

9KR - TERMINAL PINOUT

TERMINAL	SECTION	ELEMENT	STATUS
PIN1	B	K – Cathode	CONNECTED
PIN2	C	P – Plate (Anode)	CONNECTED
PIN3	C	K – Cathode	CONNECTED
PIN4	–	H – Heater	CONNECTED
PIN5	–	H – Heater	CONNECTED
PIN6	B	P – Plate (Anode)	CONNECTED
PIN7	A	K – Cathode	CONNECTED
PIN8	A	G1 – Control Grid	CONNECTED
PIN9	A	P – Plate (Anode)	CONNECTED

SECTION RATINGS

SECTION1 Triode	
PLATE RESISTANCE	41000 Ω
TRANSCONDUCTANCE	0.0022 S
AMPLIFICATION FACTOR	90
MAXIMUM PLATE VOLTAGE	330 V
MAXIMUM PLATE DISSIPATION	1.1 W
<i>Triode section.</i>	

SECTION2 Diode	
MAXIMUM CATHODE CURRENT	5 mA
<i>Representative row for two identical diode sections; continuous current rating is 5 mA each.</i>	

SECTION3 Diode	
MAXIMUM CATHODE CURRENT	5 mA
<i>Added approved missing physical diode section row.</i>	

The 14JG8 is a duplex-diode high-mu triode with separate cathodes, primarily designed for FM detector and AF voltage amplifier service.



SOURCE OPERATING CONDITIONS

[SOURCE PDF](#)

1968 General Electric Co

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

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Section 1 · Triode

OTHER		
PARAMETER	PUBLISHED VALUE	CONDITION / NOTE
Plate Voltage	250 V	AverageCharacteristics
Grid Voltage	-2 V	AverageCharacteristics

CHARACTERISTIC		
PARAMETER	PUBLISHED VALUE	CONDITION / NOTE
Plate Current	2 mA	AverageCharacteristics

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Section 2 · Diode

CHARACTERISTIC		
PARAMETER	PUBLISHED VALUE	CONDITION / NOTE
Average Diode Current Each	20 mA	5VDC

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