

ELECTRONIC TUBE REFERENCE

6840

Voltage - Dual Triode (similar) electronic tube

CONSOLIDATED TECHNICAL DATA

2 SECTIONS

CONSTRUCTION

TRIODE-TRIODE

High-perveance miniature twin triode designed for computer frequency-divider and on-off control service, with strong resistance to shock, vibration, and repeated heater cycling.

GENERAL CHARACTERISTICS

BASE DESIGNATION	9CZ	BASE PINS	9
NOMINAL HEATER	6.3 V / 800 mA	PARALLEL HEATER	– / –
HEATING	Indirect	SERIES OPERATION	Not specified
CATHODE ARRANGEMENT	Separate cathodes	SECTION CONSTRUCTION	Similar

9CZ - TERMINAL PINOUT

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

SECTION RATINGS

SECTION1 Triode	
PLATE RESISTANCE	3000 Ω
TRANSCONDUCTANCE	0.0067 S
AMPLIFICATION FACTOR	20
MAXIMUM PLATE VOLTAGE	300 V
MAXIMUM PLATE DISSIPATION	4 W
MAXIMUM CATHODE CURRENT	35 mA
<i>Two electrically identical triode sections compressed to one representative row per locked identical-section rule.</i>	

SECTION2 Triode	
PLATE RESISTANCE	3000 Ω
TRANSCONDUCTANCE	0.0067 S
AMPLIFICATION FACTOR	20
MAXIMUM PLATE VOLTAGE	300 V
MAXIMUM PLATE DISSIPATION	4 W
MAXIMUM CATHODE CURRENT	35 mA
<i>Second physical triode section; electrically identical twin section.</i>	

Miniature medium-mu twin triode designed for computer frequency-divider and on-off control service, with high perveance and high shock, vibration, and heater-cycling capability.

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.

1968 GENERAL ELECTRIC CO

Section 1 · Triode

CHARACTERISTIC		
PARAMETER	PUBLISHED VALUE	CONDITION / NOTE
Grid-to-plate capacitance each section	5.5 pF	—
Input capacitance each section	4 pF	—
Output capacitance	0.7 pF	Section1
Output capacitance	0.65 pF	Section2

OTHER		
PARAMETER	PUBLISHED VALUE	CONDITION / NOTE
Total plate dissipation both plates	7 W	—