

ELECTRONIC TUBE REFERENCE

7233

Power - Triode Single (under 10W) electronic tube

CONSOLIDATED TECHNICAL DATA

1 SECTION

CONSTRUCTION

TRIODE

Very-low-mu power triode specifically designed as a series pass tube in regulated power supplies, with 8-watt plate dissipation.

GENERAL CHARACTERISTICS

BASE DESIGNATION	9FR	BASE PINS	9
NOMINAL HEATER	6.3 V / 1 A	PARALLEL HEATER	– / –
HEATING	Indirect	SERIES OPERATION	Not specified
CATHODE ARRANGEMENT	Separate cathodes	SECTION CONSTRUCTION	Similar

9FR - TERMINAL PINOUT

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

SECTION RATINGS

SECTION1 Triode	
PLATE RESISTANCE	230 Ω
TRANSCONDUCTANCE	0.0175 S
AMPLIFICATION FACTOR	4
MAXIMUM PLATE VOLTAGE	330 V
MAXIMUM PLATE DISSIPATION	8 W
MAXIMUM CATHODE CURRENT	150 mA
<i>Series-regulator absolute maxima and average triode characteristics promoted.</i>	

Very-low-mu power triode specifically designed as a series pass tube in regulated power supplies.



SOURCE OPERATING CONDITIONS

[SOURCE PDF](#)

1960 Mazda

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

1960 MAZDA

Section 1 · Triode

OTHER		
PARAMETER	PUBLISHED VALUE	CONDITION / NOTE
Maximum Positive Grid Voltage	0 V	—
Maximum Negative Grid Voltage	-135 V	—
Maximum Heater Cathode Voltage	300 V	—
TypicalPlateSupplyVoltage	50 V	—
Cathode Bias Resistance	22 ohm	—
Typical Plate Current	120 mA	—



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

OTHER		
PARAMETER	PUBLISHED VALUE	CONDITION / NOTE
Plate Supply Voltage	250 V	SeriesRegulator
Plate Voltage	125 V	SeriesRegulator
Cathode Bias Resistor	22 ohm	SeriesRegulator
Plate Current	120 mA	SeriesRegulator