



ELECTRONIC TUBE REFERENCE

5787WA

Voltage Regulator electronic tube

CONSOLIDATED TECHNICAL DATA

1 SECTION

CONSTRUCTION

VOLTAGEREGULATOR

Ruggedized high-reliability cold-cathode voltage regulator providing approximately 98–99 V over a broad operating-current range.

GENERAL CHARACTERISTICS

BASE DESIGNATION	—	BASE PINS	9
NOMINAL HEATER	— / —	PARALLEL HEATER	— / —
HEATING	Indirect; cold cathode	SERIES OPERATION	Not specified
CATHODE ARRANGEMENT	Separate cathodes	SECTION CONSTRUCTION	Similar

SECTION RATINGS

SECTION 1 Voltage Regulator	
MAXIMUM PLATE VOLTAGE	170 V
MAXIMUM CATHODE CURRENT	25 mA
REGULATOR VOLTAGE	99 V
MINIMUM REGULATOR CURRENT	5 mA
MAXIMUM REGULATOR CURRENT	25 mA
STARTING VOLTAGE	170 V
MAINTAINING VOLTAGE	99 V
Published characteristics and ratings promoted where clearly recoverable from source.	

High-reliability cold-cathode gas voltage regulator with approximately 100 V regulated output for severe mechanical and temperature environments.



SOURCE OPERATING CONDITIONS

[SOURCE PDF](#)

1938 Raytheon

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

1938 RAYTHEON

Section 1 · Voltage Regulator

OTHER		
PARAMETER	PUBLISHED VALUE	CONDITION / NOTE
Maximum Plate Voltage	155 V	—
Maximum Cathode Current	25 mA	—
RegulatorVoltage	98 V	—
RegulatorCurrentMinimum	5 mA	—
RegulatorCurrentMaximum	25 mA	—
RegulatorStartingVoltage	135 V	—
RegulatorMaintainingVoltage	98 V	—



SOURCE OPERATING CONDITIONS

[SOURCE PDF](#)

1968 Mazda Belvu

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

1968 MAZDA BELVU

Section 1 · Voltage Regulator

OTHER		
PARAMETER	PUBLISHED VALUE	CONDITION / NOTE
Maximum Plate Voltage	170 V	—
Maximum Cathode Current	25 mA	—
RegulatorVoltage	99 V	—
RegulatorCurrentMinimum	5 mA	—
RegulatorCurrentMaximum	25 mA	—

PARAMETER	PUBLISHED VALUE	CONDITION / NOTE
RegulatorStartingVoltage	170 V	—
RegulatorMaintainingVoltage	99 V	—

CHARACTERISTIC		
PARAMETER	PUBLISHED VALUE	CONDITION / NOTE
IgnitionVoltageDarkMaximum	170 V	—
IgnitionVoltageAmbientMaximum	141 V	—
RegulationRangeMaximum	3 V	5 to 25 mA

TUBE TINKER

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and their source documents.

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