



ELECTRONIC TUBE REFERENCE

8089

Voltage Regulator electronic tube

CONSOLIDATED TECHNICAL DATA

1 SECTION

CONSTRUCTION

VOLTAGEREGULATOR

Cold-cathode corona-discharge regulator for high-voltage, low-current stabilization and reference service in instrumentation and specialized electronic supplies.

GENERAL CHARACTERISTICS

BASE DESIGNATION	—	BASE PINS	—
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	
REGULATOR VOLTAGE	1590 V
MINIMUM REGULATOR CURRENT	0.02 mA
MAXIMUM REGULATOR CURRENT	1.8 mA
STARTING VOLTAGE	1760 V
MAINTAINING VOLTAGE	1590 V

Corona-discharge voltage-regulator tube for approximately 1.6 kV regulation service.

SOURCE OPERATING CONDITIONS

[SOURCE PDF](#)

1950 Victoreen

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

1950 VICTOREEN

Section 1 · Voltage Regulator

CHARACTERISTIC		
PARAMETER	PUBLISHED VALUE	CONDITION / NOTE
RegulatedVoltage	1590 V	—
VoltageRegulation	65 V	Published current range
Temperature Coefficient	144 mV/C	—

OTHER		
PARAMETER	PUBLISHED VALUE	CONDITION / NOTE
StartingOrBreakdownVoltage	1760 V	—
MinimumRegulatorCurrent	20 μ A	—
MaximumRegulatorCurrent	1800 μ A	—

TUBE TINKER

An independent reference for electronic tubes, vacuum tubes,
and their source documents.

[Catalog](#) [Tube types](#) [Full books](#) [Blog](#) [Feedback & corrections](#)

© 2026 Tube Tinker