



ELECTRONIC TUBE REFERENCE

8257

Voltage Regulator electronic tube

CONSOLIDATED TECHNICAL DATA

1 SECTION

CONSTRUCTION

VOLTAGEREGULATOR

Cold-cathode corona regulator providing approximately 1.2 kV stabilization at microampere currents for high-voltage references and low-power instrumentation 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	1200 V
MINIMUM REGULATOR CURRENT	0.015 mA
MAXIMUM REGULATOR CURRENT	0.75 mA
STARTING VOLTAGE	1320 V
MAINTAINING VOLTAGE	1200 V

Two-electrode gas-filled cold-cathode tube for corona-mode voltage-regulator applications around 1.2 kV.

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	1200 V	—
VoltageRegulation	30 V	Published current range
Temperature Coefficient	175 mV/C	—

OTHER		
PARAMETER	PUBLISHED VALUE	CONDITION / NOTE
StartingOrBreakdownVoltage	1320 V	—
MinimumRegulatorCurrent	15 uA	—
MaximumRegulatorCurrent	750 uA	—