



ELECTRONIC TUBE REFERENCE

8469

Voltage Regulator electronic tube

CONSOLIDATED TECHNICAL DATA

1 SECTION

CONSTRUCTION

VOLTAGEREGULATOR

Victoreen cold-cathode corona regulator providing approximately 400 V stabilization at extremely low current for reference and instrumentation service.

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	400 V
MINIMUM REGULATOR CURRENT	0.005 mA
MAXIMUM REGULATOR CURRENT	0.1 mA
STARTING VOLTAGE	410 V
MAINTAINING VOLTAGE	400 V

Two-electrode gas-filled cold-cathode voltage-regulator/reference tube for approximately 400 V corona 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	400 V	—
VoltageRegulation	20 V	Published current range
Temperature Coefficient	50 mV/C	—

OTHER		
PARAMETER	PUBLISHED VALUE	CONDITION / NOTE
StartingOrBreakdownVoltage	410 V	—
MinimumRegulatorCurrent	5 uA	—
MaximumRegulatorCurrent	100 uA	—