



ELECTRONIC TUBE REFERENCE

GVSA1600

Voltage Regulator electronic tube

CONSOLIDATED TECHNICAL DATA

1 SECTION

CONSTRUCTION

VOLTAGEREGULATOR

Two-electrode cold-cathode corona regulator providing approximately 1.6 kV stabilization at only tens of microamperes.

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	1600 V
MINIMUM REGULATOR CURRENT	0.02 mA
MAXIMUM REGULATOR CURRENT	0.12 mA
STARTING VOLTAGE	1800 V
MAINTAINING VOLTAGE	1600 V

Two-electrode gas-filled cold-cathode voltage-regulator tube for approximately 1.6 kV corona service. The same source also identifies this device as GVSA1600.

SOURCE OPERATING CONDITIONS

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	1600 V	—
VoltageRegulation	42 V	Published current range
Temperature Coefficient	105 mV/C	—

OTHER		
PARAMETER	PUBLISHED VALUE	CONDITION / NOTE
StartingOrBreakdownVoltage	1800 V	—
MinimumRegulatorCurrent	20 μ A	—
MaximumRegulatorCurrent	120 μ A	—

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and their source documents.

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