

ELECTRONIC TUBE REFERENCE

6308

Voltage Regulator electronic tube

CONSOLIDATED TECHNICAL DATA
1 SECTION
CONSTRUCTION
VOLTAGEREGULATOR

Cold-cathode gas-discharge tube optimized as a stable voltage-reference source for regulated supplies, precision electronics, and measurement circuits.

GENERAL CHARACTERISTICS

BASE DESIGNATION	8EX	BASE PINS	8
NOMINAL HEATER	– / –	PARALLEL HEATER	– / –
HEATING	Indirect; cold cathode	SERIES OPERATION	Not specified
CATHODE ARRANGEMENT	Separate cathodes	SECTION CONSTRUCTION	Similar

SECTION RATINGS

SECTION1 Voltage Regulator	
REGULATOR VOLTAGE	87 V
MINIMUM REGULATOR CURRENT	1.5 mA
MAXIMUM REGULATOR CURRENT	3.5 mA
STARTING VOLTAGE	115 V
MAINTAINING VOLTAGE	87 V
Representative electrical section; promoted values mapped from published ratings/characteristics where applicable.	

Subminiature gas-filled cold-cathode glow-discharge voltage-reference tube for electronically regulated power supplies and severe environments.



SOURCE OPERATING CONDITIONS

[SOURCE PDF](#)

1950 Sylvania

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

1950 SYLVANIA

Section 1 · Voltage Regulator

OTHER

PARAMETER	PUBLISHED VALUE	CONDITION / NOTE
Ionization voltage in total darkness minimum	140 V	Published datasheet value
Maximum shunting capacitance	0.002 pF	Published datasheet value

CHARACTERISTIC

PARAMETER	PUBLISHED VALUE	CONDITION / NOTE
Maximum regulation	3 V	Published datasheet value

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