



ELECTRONIC TUBE REFERENCE

8228

Voltage Regulator electronic tube

CONSOLIDATED TECHNICAL DATA

1 SECTION

CONSTRUCTION

VOLTAGEREGULATOR

Subminiature cold-cathode precision reference tube maintaining approximately 81 V for regulated supplies, DC amplifiers, oscilloscope calibrators, and instrumentation.

GENERAL CHARACTERISTICS

BASE DESIGNATION	T2	BASE PINS	2
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	
MAXIMUM CATHODE CURRENT	4 mA
REGULATOR VOLTAGE	81 V
MINIMUM REGULATOR CURRENT	2 mA
MAXIMUM REGULATOR CURRENT	4 mA
STARTING VOLTAGE	115 V
MAINTAINING VOLTAGE	81 V
DYNAMIC IMPEDANCE	200 Ω
Cold-cathode voltage-reference section; published reference values promoted from source.	

Subminiature cold-cathode voltage-reference tube for stable regulated power supplies, DC amplifiers, oscilloscope calibrators, and similar applications, with very low temperature coefficient and long expected life.

SOURCE OPERATING CONDITIONS

[SOURCE PDF](#)

1953 Amperex

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

1953 AMPEREX

Section 1 · Voltage Regulator

OTHER		
PARAMETER	PUBLISHED VALUE	CONDITION / NOTE
Starting voltage minimum	115 V	—
Operating cathode current minimum	0.5 mA	—
Operating cathode current maximum	3.5 mA	—
Operating voltage typical	82 V	At 2 mA
AC resistance maximum	500 ohm	At 2 mA, 1000 cps

TUBE TINKER

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