



ELECTRONIC TUBE REFERENCE

ZZ1020

Voltage Regulator electronic tube

CONSOLIDATED TECHNICAL DATA

1 SECTION

CONSTRUCTION

VOLTAGEREGULATOR

Cold-cathode glow-discharge tube optimized for stable reference-voltage service in regulated supplies, instrumentation, calibration, or precision electronic circuits.

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	82.2 V
MINIMUM REGULATOR CURRENT	1.7 mA
MAXIMUM REGULATOR CURRENT	8 mA
STARTING VOLTAGE	112 V
MAINTAINING VOLTAGE	82.2 V
DYNAMIC IMPEDANCE	500 Ω
<i>Voltage-stabilizer discharge section.</i>	

The Telefunken ZZ1020 is a cold-cathode gas-filled voltage-stabilizer tube for regulated reference or supply service.



SOURCE OPERATING CONDITIONS

[SOURCE PDF](#)

1959 Telefunken

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

1959 TELEFUNKEN

Section 1 · Voltage Regulator

CHARACTERISTICS		
PARAMETER	PUBLISHED VALUE	CONDITION / NOTE
Maintaining Voltage	82.2 V	—
Minimum Regulating Current	1.7 mA	—
Maximum Regulating Current	8 mA	—
Starting Voltage	112 V	—
Dynamic Impedance	500 ohm	—

TUBE TINKER

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