



ELECTRONIC TUBE REFERENCE

STV50001

Voltage Regulator electronic tube

CONSOLIDATED TECHNICAL DATA

4 SECTIONS

CONSTRUCTION

VOLTAGEREGULATOR-VOLTAGEREGULATOR-
VOLTAGEREGULATOR-VOLTAGEREGULATOR

Four-section Telefunken cold-cathode reference tube whose approximately 125 V sections can be series connected for roughly 500 V low-current stabilization.

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

SECTION1 Voltage Regulator	
REGULATOR VOLTAGE	125 V
MINIMUM REGULATOR CURRENT	0.09 mA
MAXIMUM REGULATOR CURRENT	0.5 mA
STARTING VOLTAGE	155 V
MAINTAINING VOLTAGE	125 V
DYNAMIC IMPEDANCE	12000 Ω
Representative of four identical stabilizer sections.	

SECTION2 Voltage Regulator	
REGULATOR VOLTAGE	125 V
MINIMUM REGULATOR CURRENT	0.09 mA
MAXIMUM REGULATOR CURRENT	0.5 mA
STARTING VOLTAGE	155 V
MAINTAINING VOLTAGE	125 V
DYNAMIC IMPEDANCE	12000 Ω

SECTION3 Voltage Regulator	
REGULATOR VOLTAGE	125 V
MINIMUM REGULATOR CURRENT	0.09 mA
MAXIMUM REGULATOR CURRENT	0.5 mA
STARTING VOLTAGE	155 V
MAINTAINING VOLTAGE	125 V
DYNAMIC IMPEDANCE	12000 Ω

SECTION4 Voltage Regulator	
REGULATOR VOLTAGE	125 V
MINIMUM REGULATOR CURRENT	0.09 mA
MAXIMUM REGULATOR CURRENT	0.5 mA
STARTING VOLTAGE	155 V
MAINTAINING VOLTAGE	125 V
DYNAMIC IMPEDANCE	12000 Ω

The Telefunken STV50001 is a four-section cold-cathode voltage-stabilizer tube; the four sections can be series connected for about 500 V stabilization.

SOURCE OPERATING CONDITIONS

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 per Section	125 V	—
Starting Voltage per Section	155 V	Maximum
Minimum Current	0.09 mA	Per section
Maximum Current	0.5 mA	Per section
Series-Connected Maintaining Voltage	500 V	FourSectionsSeries
Series-Connected Starting Voltage	600 V	FourSectionsSeries

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