

ELECTRONIC TUBE REFERENCE

SR54

Voltage Regulator electronic tube

CONSOLIDATED TECHNICAL DATA
1 SECTION
CONSTRUCTION
VOLTAGEREGULATOR

Molybdenum-cathode voltage-reference tube designed for exceptional life, high stability, and freedom from flicker over 1.5–3.5 mA.

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	82 V
MINIMUM REGULATOR CURRENT	1.5 mA
MAXIMUM REGULATOR CURRENT	3.5 mA
STARTING VOLTAGE	115 V
MAINTAINING VOLTAGE	82 V
Published electrical characteristics preserved in parameter rows; regulator-specific fields promoted where applicable.	

Voltage reference tube with molybdenum cathode, extremely long life, high stability and freedom from flickering; stabilizing range 1.5-3.5 mA.

SOURCE OPERATING CONDITIONS

[SOURCE PDF](#)

1962 Cerberus

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

1962 CERBERUS

Section 1 · Voltage Regulator

OTHER		
PARAMETER	PUBLISHED VALUE	CONDITION / NOTE
Breakdown voltage A-K	115 V	—
Typical supply voltage	350 V	—
Typical operating current	2.5 mA	—

CHARACTERISTICS		
PARAMETER	PUBLISHED VALUE	CONDITION / NOTE
Stabilized voltage at 3.5 mA	92 V	—
Stabilized voltage at 1.5 mA	82 V	—
Operating current	1.5–3.5 mA	—
Regulation over 1.5-3.5 mA	3 V	—
Voltage jumps	100 mV	1.5-3.5 mA
Life expectancy	10000— h	Exceeding