

ELECTRONIC TUBE REFERENCE

SR5

Voltage Regulator electronic tube

CONSOLIDATED TECHNICAL DATA

1 SECTION

CONSTRUCTION

VOLTAGEREGULATOR

Long-life high-stability cold-cathode voltage-reference tube operating over approximately 1-10 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	85 V
MINIMUM REGULATOR CURRENT	1 mA
MAXIMUM REGULATOR CURRENT	10 mA
STARTING VOLTAGE	115 V
MAINTAINING VOLTAGE	85 V

Voltage reference tube with molybdenum cathode, extremely long life, high stability and freedom from flickering over a 1-10 mA stabilizing range.

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

CHARACTERISTICS		
PARAMETER	PUBLISHED VALUE	CONDITION / NOTE
Stabilized voltage	83–87 V	5.5mA
Regulation maximum	4 V	1-10mA
Temperature coefficient	-2.2 mV/C	IA=5.5mA
Initial drift	0.15 %	2min
Stabilized-voltage change over 20000 h maximum	1 V	—
Service life minimum	30000 h	—