

ELECTRONIC TUBE REFERENCE

SR45

Voltage Regulator electronic tube

CONSOLIDATED TECHNICAL DATA

1 SECTION

CONSTRUCTION

VOLTAGEREGULATOR

Subminiature cold-cathode 105 V reference tube operating over approximately 1-5 mA for precision 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	105 V
MINIMUM REGULATOR CURRENT	1 mA
MAXIMUM REGULATOR CURRENT	5 mA
STARTING VOLTAGE	149 V
MAINTAINING VOLTAGE	105 V

Subminiature cold-cathode voltage reference tube for a 1-5 mA stabilizing range with 105 V nominal stabilized voltage.

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	102–107 V	1.5mA
Voltage regulation maximum	5 V	1-4mA
Current for full glow coverage	3 mA	—
Stabilized-voltage change over 20000 h maximum	5 V	1.5mA
Service life minimum	30000 h	—