

ELECTRONIC TUBE REFERENCE

SR57

Voltage Regulator electronic tube

CONSOLIDATED TECHNICAL DATA
1 SECTION
CONSTRUCTION
VOLTAGEREGULATOR

Precision 150 V glow-discharge voltage regulator for stable reference and shunt-regulator service.

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	150 V
MINIMUM REGULATOR CURRENT	5 mA
MAXIMUM REGULATOR CURRENT	15 mA
STARTING VOLTAGE	180 V
MAINTAINING VOLTAGE	150 V
DYNAMIC IMPEDANCE	250 Ω
Published electrical characteristics preserved in parameter rows; regulator-specific fields promoted where applicable.	

SR57 is a printed exact equivalent/co-designation on the STR15015 source sheet. A cold-cathode glow-discharge voltage regulator for automatic, inertia-free stabilization of a DC voltage, designed for high temporal constancy.



SOURCE OPERATING CONDITIONS

1953 RFT Rundfunk Technik

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

1953 RFT RUNDFUNK TECHNIK

Section 1 · Voltage Regulator

CHARACTERISTIC		
PARAMETER	PUBLISHED VALUE	CONDITION / NOTE
Nominal maintaining voltage	150 V	—
Voltage variation over current range	4.5 V	—
Warm-up / stabilization time	10 min	—

OTHER		
PARAMETER	PUBLISHED VALUE	CONDITION / NOTE
Current range	5 to 15 mA	—
Nominal current	10 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	180 V	—
Typical supply voltage	440 V	—
Typical operating current	8 mA	—

CHARACTERISTICS		
PARAMETER	PUBLISHED VALUE	CONDITION / NOTE
Stabilized voltage at 10 mA	145–154 V	—
Operating current	5–15 mA	—
Regulation over 5-15 mA	5 V	—
Internal resistance	250 ohm	—
Life expectancy	10000— h	Exceeding

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