ELECTRONIC TUBE REFERENCE

SR42

Voltage Regulator electronic tube

CONSOLIDATED TECHNICAL DATA
1 SECTION
CONSTRUCTION
VOLTAGEREGULATOR

Subminiature molybdenum-cathode precision reference maintaining approximately 84 V over 0.5–2.5 mA, with firing anode for reliable ignition.

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	84 V
MINIMUM REGULATOR CURRENT	0.5 mA
MAXIMUM REGULATOR CURRENT	2.5 mA
STARTING VOLTAGE	130 V
MAINTAINING VOLTAGE	84 V

Subminiature cold-molybdenum-cathode voltage reference tube for low-current stabilization from 0.5 to 2.5 mA.

SOURCE OPERATING CONDITIONS

1962 Cerberus

SOURCE PDF

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
Breakdown voltage with firing anode	**90 V**	UAZ=150V
Firing-anode breakdown voltage	**150 V**	—
Stabilized voltage	**82–86 V**	0.5mA
Regulation	**4.5 V**	0.5-2.5mA
Voltage jumps maximum	**1 mV**	—

Tube Tinker

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