

High-stability cold-cathode voltage-reference tube for precision operation over approximately 3.5–6 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	
MINIMUM REGULATOR CURRENT	3.5 mA
MAXIMUM REGULATOR CURRENT	6 mA
STARTING VOLTAGE	130 V

Molybdenum-cathode voltage reference tube with high stability for a narrow 3.5-6.0 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	82.6–84.1 V	4.5mA
Dynamic resistance	110–330 Ohm	4.5mA
Temperature coefficient	-0.35 mV/C	25-120C
Voltage jumps maximum	1 mV	3.5-6.0mA
RMS noise voltage	100 uV	4.5mA,30-10000Hz
Service life minimum	10000 h	—

OTHER		
PARAMETER	PUBLISHED VALUE	CONDITION / NOTE
Inverse anode voltage maximum	50 V	—
Starting current maximum	10 mA	—

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