

ELECTRONIC TUBE REFERENCE

447A

Voltage Regulator electronic tube

CONSOLIDATED TECHNICAL DATA
1 SECTION
CONSTRUCTION
VOLTAGEREGULATOR

Two-electrode inert-gas cold-cathode voltage-reference and trouble-indicator tube, maintaining approximately 82 V while providing a visible red discharge glow.

GENERAL CHARACTERISTICS

BASE DESIGNATION	—	BASE PINS	4
NOMINAL HEATER	— / —	PARALLEL HEATER	— / —
HEATING	Indirect; cold cathode	SERIES OPERATION	Not specified
CATHODE ARRANGEMENT	Separate cathodes	SECTION CONSTRUCTION	Similar

SECTION RATINGS

SECTION1 Voltage Regulator	
MAXIMUM CATHODE CURRENT	8 mA
REGULATOR VOLTAGE	82 V
MINIMUM REGULATOR CURRENT	2 mA
MAXIMUM REGULATOR CURRENT	8 mA
STARTING VOLTAGE	115 V
MAINTAINING VOLTAGE	82 V
Visible red cathode glow through anode opening.	

The 447A is a two-electrode inert-gas-filled cold-cathode tube designed primarily for voltage-reference and trouble-indicator service; its cathode red glow is visible through a hole in the anode.

SOURCE OPERATING CONDITIONS

[SOURCE PDF](#)

2026 Western Electric 400s

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

2026 WESTERN ELECTRIC 400S

Section 1 · Voltage Regulator

CHARACTERISTIC		
PARAMETER	PUBLISHED VALUE	CONDITION / NOTE
Anode Breakdown Voltage	110–120 V	—
Anode Voltage Drop at 4 mA	81–83 V	—
Regulation 2–4 mA	—0.5 V	—
Coverage Current	—4 mA	—