ELECTRONIC TUBE REFERENCE

432A

Voltage Regulator electronic tube

CONSOLIDATED TECHNICAL DATA
1 SECTION
CONSTRUCTION
VOLTAGEREGULATOR

Three-electrode inert-gas cold-cathode voltage-reference tube with dedicated starter electrode, providing a stable approximately 100 V reference.

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	100 V
MINIMUM REGULATOR CURRENT	4 mA
MAXIMUM REGULATOR CURRENT	8 mA
STARTING VOLTAGE	160 V
MAINTAINING VOLTAGE	100 V

Regulator values promoted from published cathode-current and anode breakdown/voltage-drop data.

Western Electric 432A is a Three-electrode inert-gas-filled cold-cathode voltage-reference tube with starter electrode.

SOURCE OPERATING CONDITIONS

2026 Western Electric 400s

SOURCE PDF

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
Regulation maximum	**0.5 V**	4to6mA
Starter breakdown voltage	**200 V**	—

Tube Tinker

An independent reference for electronic tubes, vacuum tubes, and their source documents.

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