



ELECTRONIC TUBE REFERENCE

423C

Voltage Regulator electronic tube

CONSOLIDATED TECHNICAL DATA

1 SECTION

CONSTRUCTION

VOLTAGEREGULATOR

Two-electrode inert-gas cold-cathode reference tube designed to maintain a stable approximately 100 V operating drop throughout service life.

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

SECTION 1 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 423C is a Two-electrode inert-gas-filled cold-cathode voltage-reference tube with stable voltage drop throughout life.

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
Regulation maximum	0.75 V	4to6mA

CONSTRUCTION		
PARAMETER	PUBLISHED VALUE	CONDITION / NOTE
Krypton-85 content maximum	5 microcurie	RadioactiveByproductMaterial