



ELECTRONIC TUBE REFERENCE

430B

Specialized - Thyatron electronic tube

CONSOLIDATED TECHNICAL DATA

1 SECTION
CONSTRUCTION
THYRATRON

Three-electrode inert-gas-filled cold-cathode tube for fast-switching relay, regulator, rectifier, triggering, and control service, using heaterless gas-discharge operation.

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

SECTION 1 Thyatron	
MAXIMUM CATHODE CURRENT	100 mA
STARTING VOLTAGE	70 V
MAINTAINING VOLTAGE	75 V
<i>Special cold-cathode relay/control section; current and starter/anode voltage data promoted where semantically applicable.</i>	

Western Electric 430B is a Three-electrode inert-gas-filled cold-cathode fast-switching relay/regulator/rectifier tube.

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 · Thyatron

OTHER		
PARAMETER	PUBLISHED VALUE	CONDITION / NOTE
Forward peak anode voltage	185 V	—
Maximum average cathode current	35 mA	—

CHARACTERISTIC		
PARAMETER	PUBLISHED VALUE	CONDITION / NOTE
Starter breakdown voltage	70 V	—
Anode voltage drop	75 V	—

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