



ELECTRONIC TUBE REFERENCE

313CC

Specialized - Switching Tube electronic tube

CONSOLIDATED TECHNICAL DATA

1 SECTION

CONSTRUCTION

RELAYCONTROL SWITCH

Three-electrode inert-gas cold-cathode control tube for relay and switching circuits. Gas-discharge action provides heaterless electronic control.

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 RelayControlSwitch	
MAXIMUM CATHODE CURRENT	35 mA
<i>Promoted fields audited from printed ratings/characteristics; remaining published values preserved as parameters.</i>	

Three-electrode inert-gas-filled cold-cathode control tube.



SOURCE OPERATING CONDITIONS

[SOURCE PDF](#)

2026 Western Electric 300s

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

2026 WESTERN ELECTRIC 300S

Section 1 · RelayControlSwitch

CHARACTERISTIC		
PARAMETER	PUBLISHED VALUE	CONDITION / NOTE
Average Cathode Current •	7 milliamperes	Average Cathode Current • 7 72 milliamperes
Peak Inverse Anode Current (Note	2 milliamperes	Peak Inverse Anode Current (Note 2) • • • 5 milliamperes
Anode Voltage Drop at	20 Volt	Anode Voltage Drop at 20 milliamperes 6 8 7 5 8 8 v o l t s
Inverse Current at	-120 volts	Inverse Current at -120 volts Anode Potential (Note 5) - -
Note	4 volts	Note 4: With 15 volts overvoltage (15 volts above starter breakdown voltage) with tube in total
Note	5 volt	Note 5: Negative anode voltage applied through 8000 ohms. Starter connected to anode through 100,000

TUBE TINKER

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

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