



ELECTRONIC TUBE REFERENCE

346C

Rectifier - Half Wave electronic tube

CONSOLIDATED TECHNICAL DATA

1 SECTION

CONSTRUCTION

RECTIFIER

Western Electric three-electrode inert-gas cold-cathode tube for relay, rectifier, and voltage-regulator or control service without requiring a filament supply.

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 Rectifier	
MAXIMUM CATHODE CURRENT	35 mA
REGULATOR VOLTAGE	60 V
STARTING VOLTAGE	70 V
MAINTAINING VOLTAGE	60 V
Cold-cathode main/starter-gap device; regulator fields reflect the published starter/control-gap breakdown and sustaining values.	

Western Electric 346C is a three-electrode cold-cathode gas-filled tube for relay, rectifier and voltage-regulator/control service.



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 · Rectifier

OTHER		
PARAMETER	PUBLISHED VALUE	CONDITION / NOTE
Maximum forward peak cathode current	100 mA	—
Maximum average cathode current	35 mA	—
Maximum inverse peak anode current	5 mA	—

CHARACTERISTIC		
PARAMETER	PUBLISHED VALUE	CONDITION / NOTE
Main-gap sustaining voltage	80 V	—
Control/starter-gap breakdown voltage	70 V	—
Control/starter-gap sustaining voltage	60 V	—

CONSTRUCTION		
PARAMETER	PUBLISHED VALUE	CONDITION / NOTE
Radioactive krypton-85 content maximum	5 microcurie	By-product radioactive material; source states no special care in normal use

TUBE TINKER

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

[Catalog](#) [Tube types](#) [Full books](#) [Blog](#) [Feedback & corrections](#)